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Today's Date: 1/30/2001

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L1

Ingberg, Todd

From: Khatri, Anil
Sent: Tuesday, January 30, 2001 9:33 AM
To: Ingberg, Todd
Subject: RE: Pizza

I think Domino Pizza is good.

Anil Khatri
Art Unit 2122
PK2-5A19
(703) 305-0282

-----Original Message-----

From: Ingberg, Todd
Sent: Tuesday, January 30, 2001 6:31 AM
To: Powell, Mark; Focarino, Margaret; Watson, Norma; Chaki, Kakali; Chavis, John; Dam, Tuan; Das, Chameli; Davis, George (AU2762); Holmes, Michael B.; Khatri, Anil; Nguyen-Ba, Antony; Rossi, Jeffrey; Starks, Wilbert; Vo, Ted; Zhen, Wei
Subject: Pizza

Todd Ingberg

Software Patent Examiner

If there is a specific place you want your pizza from let me know.

I have the following constraints so far.

6 Pizzas

2 veggie

1 Pineapple

This leaves 3 and no specific vendor.

Art Unit 2122
Phone (703) 305-9775
Fax (703) 308-1396

Ingberg, Todd

From: Chavis, John
Sent: Tuesday, January 30, 2001 9:30 AM
To: Ingberg, Todd
Subject: RE: Pizza

Todd,

Papa John's make the best pizza, Pizza Hut makes the worst (too greasy). Papa John's meat lover's is excellent. But, I will be satisfied with whatever is available, including the Veggie. What time frame are we looking at?

John Chavis

Patent Examiner
Technology Center 2100
john.chavis@uspto.gov
ph 703-305-9665
fax 703-305-0040

-----Original Message-----

From: Ingberg, Todd
Sent: Tuesday, January 30, 2001 6:31 AM
To: Powell, Mark; Focarino, Margaret; Watson, Norma; Chaki, Kakali; Chavis, John; Dam, Tuan; Das, Chameli; Davis, George (AU2762); Holmes, Michael B.; Khatri, Anil; Nguyen-Ba, Antony; Rossi, Jeffrey; Starks, Wilbert; Vo, Ted; Zhen, Wei
Subject: Pizza

Todd Ingberg

Software Patent Examiner

If there is a specific place you want your pizza from let me know.

I have the following constraints so far.

6 Pizzas

2 veggie

1 Pineapple

This leaves 3 and no specific vendor.

Art Unit 2122

Phone (703) 305-9775

Fax (703) 308-1396

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Search History**Today's Date: 1/30/2001**

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Search Results - Record(s) 1 through 50 of 50 returned.☐ 1. Document ID: US 6141653 A

L1: Entry 1 of 50

File: USPT

Oct 31, 2000

US-PAT-NO: 6141653

DOCUMENT-IDENTIFIER: US 6141653 A

TITLE: System for interactive, multivariate negotiations over a network

DATE-ISSUED: October 31, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Conklin; Jeffrey	Boston	MA	N/A	N/A
Foucher; David	Somerville	MA	N/A	N/A
Foucher; Daniel	Bedford	MA	N/A	N/A

US-CL-CURRENT: 705/80; 705/1, 705/26

ABSTRACT:

A multivariate negotiations engine for iterative bargaining which: enables a sponsor to create and administer a community between participants such as buyers and sellers having similar interests; allows a buyer/participant to search and evaluate seller information, propose and negotiate orders and counteroffers that include all desired terms, request sample quantities, and track activity; allows a seller/participant to use remote authoring templates to create a complete Website for immediate integration and activation in the community, to evaluate proposed buyer orders and counteroffers, and to negotiate multiple variables such as prices, terms, conditions etc., iteratively with a buyer. The system provides secure databases, search engines, and other tools for use by the sponsor, which enable the sponsor to define the terms of community participation, establish standards, help promote the visibility of participating companies, monitor activity, collect fees, and promote successes. All this is done through a multivariate negotiations engine system operated at the system provider's Internet site, thus requiring no additional software at the sponsors', or participant sellers', or buyer's sites. This also allows buyers and sellers to use and negotiate payment options and methods that are accepted internationally. The system maintains internal databases that contain the history of all transactions in each community, so that sponsors, buyers and sellers may retrieve appropriate records to document each stage of interaction and negotiation. Documents are created by the system during the negotiation process.

58 Claims, 60 Drawing figures Exemplary Claim Number: 1

Number of Drawing Sheets: 56

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 2. Document ID: US 6131810 A

L1: Entry 2 of 50

File: USPT

Oct 17, 2000

US-PAT-NO: 6131810
DOCUMENT-IDENTIFIER: US 6131810 A

TITLE: Integrated full service consumer banking system and system and method
for opening an account

DATE-ISSUED: October 17, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Weiss; Lawrence	Skaneateles	NY	N/A	N/A
Dowd; Marylou	Massapequa	NY	N/A	N/A

US-CL-CURRENT: 235/379; 235/380, 705/41, 705/42, 902/14, 902/22, 902/25, 902/5

ABSTRACT:

An integrated financial system that includes a single customer account that permits a customer to perform various financial transactions. The account includes at least banking components and brokerage components. A consistent user interface means is provided to allow a customer to access the account from a different sources including at least an automatic teller machine, a phone and a personal teller transaction. The account is flexible enough to include a variety of other components such as a credit card component, a line of credit component, a secured credit component and a money market component. A system and method for opening a single integrated account for a customer in a single session is also described.

9 Claims, 43 Drawing figures Exemplary Claim Number: 1
Number of Drawing Sheets: 43

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 3. Document ID: US 6112181 A

L1: Entry 3 of 50

File: USPT

Aug 29, 2000

US-PAT-NO: 6112181

DOCUMENT-IDENTIFIER: US 6112181 A

TITLE: Systems and methods for matching, selecting, narrowcasting, and/or classifying based on rights management and/or other information

DATE-ISSUED: August 29, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Shear; Victor H.	Bethesda	MD	N/A	N/A
Van Wie; David M.	Sunnyvale	CA	N/A	N/A
Weber; Robert P.	Menlo Park	CA	N/A	N/A

US-CL-CURRENT: 705/1

ABSTRACT:

Rights management information is used at least in part in a matching, narrowcasting, classifying and/or selecting process. A matching and classification utility system comprising a kind of Commerce Utility System is used to perform the matching, narrowcasting, classifying and/or selecting. The matching and classification utility system may match, narrowcast, classify and/or select people and/or things, non-limiting examples of which include software objects. The Matching and Classification Utility system may use any pre-existing classification schemes, including at least some rights management information and/or other qualitative and/or parameter data indicating and/or defining classes, classification systems, class hierarchies, category schemes, class assignments, category assignments, and/or class membership. The Matching and Classification Utility may also use at least some rights management information together with any artificial intelligence, expert system, statistical, computational, manual, or any other means to define new classes, class hierarchies, classification systems, category schemes, and/or assign persons, things, and/or groups of persons and/or things to at least one class.

220 Claims, 98 Drawing figures Exemplary Claim Number: 1

Number of Drawing Sheets: 96

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 4. Document ID: US 6072870 A

L1: Entry 4 of 50

File: USPT

Jun 6, 2000

US-PAT-NO: 6072870
DOCUMENT-IDENTIFIER: US 6072870 A

TITLE: System, method and article of manufacture for a gateway payment architecture utilizing a multichannel, extensible, flexible architecture

DATE-ISSUED: June 6, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Nguyen; Trong	Sunnyvale	CA	N/A	N/A
Haller; Daniel R.	Menlo Park	CA	N/A	N/A
Kramer; Glenn A.	San Francisco	CA	N/A	N/A

US-CL-CURRENT: 705/79; 705/26, 705/35, 705/39, 705/40, 705/78, 713/201

ABSTRACT:

Secure transmission of data is provided between a plurality of computer systems over a public communication system, such as the Internet. Secure transmission of data is provided from a customer computer system to a merchant computer system, and for the further secure transmission of payment information from the merchant computer system to a payment gateway computer system. The payment gateway system formats transaction information appropriately and transmits the transaction to the particular host legacy system. The host legacy system evaluates the payment information and returns a level of authorization of credit to the gateway which packages the information to form a secure transaction which is transmitted to the merchant which is in turn communicated to the customer by the merchant. The merchant can then determine whether to accept the payment instrument tendered or deny credit and require another payment instrument. An architecture that provides support for additional message types that are value-added extensions to the basic SET protocol, is provided by a preferred embodiment of the invention.

22 Claims, 101 Drawing figures Exemplary Claim Number: 8
Number of Drawing Sheets: 57

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 5. Document ID: US 6064988 A

L1: Entry 5 of 50

File: USPT

May 16, 2000

US-PAT-NO: 6064988

DOCUMENT-IDENTIFIER: US 6064988 A

TITLE: Data processing system including transaction authorization device

DATE-ISSUED: May 16, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Thomas; Harold K.	Mesa	AZ	85204	N/A

US-CL-CURRENT: 705/44; 705/38, 705/41

ABSTRACT:

A supersmart card system is provided for authorizing transactions between a transaction card user and a merchant. The supersmart card system includes a plurality of conventional transaction cards such as a debit cards, credit cards, or phone service cards, and a transaction authorization device. The transaction authorization device is user-carried and constructed to be separate and apart from the transaction card. The transaction authorization device includes logic means for storing data relating to the identity of the transaction card user and data relating to the authorization of transactions between a user and financial institutions or service providers. Preferably, the transaction authorization card also includes means enabling a user to select a particular transaction card for processing a transaction. The supersmart card system therein provides the simple to manufacture and use structure which reduces the potential for fraud arising from theft of a transaction card and which enables a user to carry about a single authorization device for authorizing transactions involving a large number of transaction cards and their corresponding financial institutions and service providers between a transaction card user and merchant.

5 Claims, 5 Drawing figures Exemplary Claim Number: 1

Number of Drawing Sheets: 4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMIC	Draw Desc	Image
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☐ 6. Document ID: US 6061665 A

L1: Entry 6 of 50

File: USPT

May 9, 2000

US-PAT-NO: 6061665

DOCUMENT-IDENTIFIER: US 6061665 A

TITLE: System, method and article of manufacture for dynamic negotiation of a network payment framework

DATE-ISSUED: May 9, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bahreman; Ali Reza	San Diego	CA	N/A	N/A

US-CL-CURRENT: 705/40; 705/26

ABSTRACT:

A system that facilitates the coupling of a plurality of clients to one or more merchants utilizing a network to conduct commerce over the network is disclosed. When a client initiates a connection with a merchant, the merchant responds to the request for connection by transmitting one or more messages back to the client to determine a particular payment processing which entails determining a suitable payment instrument, a payment protocol and standard message formats for conducting the electronic commerce. The payment protocol comprises a message format, a protocol associated with the message format and a weight associated with each of the items associated with the payment processing. The weight is provided by both the client and the merchant to facilitate dynamic negotiation of a mutually acceptable payment processing. The negotiation results in the exchange of standard message formats that the client and the merchant are equipped to process efficiently and securely.

44 Claims, 4 Drawing figures Exemplary Claim Number: 1
Number of Drawing Sheets: 3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	RWMC	Draw Desc	Image
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☐ 7. Document ID: US 6061791 A

L1: Entry 7 of 50

File: USPT

May 9, 2000

US-PAT-NO: 6061791

DOCUMENT-IDENTIFIER: US 6061791 A

TITLE: Initial secret key establishment including facilities for verification of identity

DATE-ISSUED: May 9, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Moreau, Thierry	Montreal	N/A	N/A	CAX

US-CL-CURRENT: 713/171; 380/283

ABSTRACT:

An issuer offers any type of service secured with a secret cryptographic key assigned to an applicant according to the present invention, which includes a secret key registration process. Usually, the secret key will be loaded on a portable memory device or other secret key store of the applicant. As preliminary steps, the issuer sets up its public key for the Probabilistic Encryption Key Exchange (PEKE) cryptosystem, and the applicant obtains a copy of a secret key registration software, a copy of the issuer's public key, and an uninitialized portable memory device. Once initiated by the applicant, the registration software generates an internal PEKE secret key. The applicant chooses a registration pass query and pass reply that the registration software MACs and encrypts with a key derived from the PEKE secret key. The registration software derives the key assigned to the applicant from the PEKE secret key, and loads it into the secret key store. A message is sent to the issuer data processing center where the cryptographic processing (PEKE, MAC, encryption) is reversed. Using an alternate channel (e.g. telephone conversation) an issuer agent verifies the identity of the applicant: the agent asks the pass query, the applicant replies with the pass reply, and the issuer verifies the applicant's knowledge of some relevant personal data. The issuer agent can approve the applicant's registration in the issuer database. There is no need for the issuer to personalize either the software or the secret key store before delivery to the applicant, and there is a single personal contact between the applicant and the issuer agent.

15 Claims, 3 Drawing figures Exemplary Claim Number: 1
Number of Drawing Sheets: 3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw Desc	Image
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☐ 8. Document ID: US 6058179 A

L1: Entry 8 of 50

File: USPT

May 2, 2000

US-PAT-NO: 6058179

DOCUMENT-IDENTIFIER: US 6058179 A

TITLE: One number, intelligent call processing system

DATE-ISSUED: May 2, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Shaffer; James D.	Rancho Santa Fe	CA	N/A	N/A
Moore; George G.	Great Falls	VA	N/A	N/A

US-CL-CURRENT: 379/220; 379/211, 379/88.2

ABSTRACT:

A one number, multi-application, intelligent call processing system provides service benefits to a caller, a servicing location and/or a vanity number advertiser during a call, parallel to the call and/or post call in an integrated common architecture. To provide these benefits, the system utilizes Voice Response Unit (VRU) technology in conjunction with the national telecommunications network connected via Computer Telephone Integration (CTI) to a virtual telephone number database containing a nation-wide master list of telephone numbers with thousands of attribute data items associated by Spatial Key linkage to each telephone number. The process of the invention is initiated by a caller dialing a selected telephone number to request information and/or services. Based on the number dialed, a caller or network provided 10 digit telephone number and VRU prompted for and received caller input, the system retrieves the application requested data from the virtual telephone number database. The application uses the retrieved information to direct the VRU to speak selected retrieved information to the caller that is desired by the caller or needs to be verified by the caller, to automatically connect the caller with a servicing location whose service area can be geographically defined as any size or shape and encompasses the caller provided telephone number's location, and/or to store portions of the received and retrieved information for later use.

32 Claims, 29 Drawing figures Exemplary Claim Number: 11
Number of Drawing Sheets: 28

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	QMC	Draw Desc	Image
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☐ 9. Document ID: US 6055514 A

L1: Entry 9 of 50

File: USPT

Apr 25, 2000

US-PAT-NO: 6055514
DOCUMENT-IDENTIFIER: US 6055514 A

TITLE: System for marketing foods and services utilizing computerized
centraland remote facilities

DATE-ISSUED: April 25, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wren; Stephen Corey	Hazelwood	MO	63042	N/A

US-CL-CURRENT: 705/27; 705/26, 705/36

ABSTRACT:

A system for shopping for goods and services includes central communications facilities and remote communications facilities connected by communications links and permitting data communications between them. Central communications facilities offer goods and services in competition with each other. Each central communications facility stores, in addition to data, graphics in the form of video, and audio in the form of computerized voice and music. Computer input devices at each remote communications facility permit customers to access the data, graphics and audio. Computers at each remote communications facility also enable that facility to receive and download the data, graphics, and audio. Each remote communications facility is adapted to enable a customer, after viewing the data, graphics, and audio, to electronically negotiate a price for the purchase of the goods and services. Each central communications facility can generate and transmit to the remote facility transaction specific paperwork relative to the price so negotiated.

5 Claims, 1 Drawing figures Exemplary Claim Number: 1
Number of Drawing Sheets: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Draw Desc	Image
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☐ 10. Document ID: US 6029150 A

L1: Entry 10 of 50

File: USPT

Feb 22, 2000

US-PAT-NO: 6029150

DOCUMENT-IDENTIFIER: US 6029150 A

TITLE: Payment and transactions in electronic commerce system

DATE-ISSUED: February 22, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kravitz; David William	Albuquerque	NM	N/A	N/A

US-CL-CURRENT: 705/39; 705/74, 705/75, 705/77, 902/5

ABSTRACT:

A method of payment in an electronic payment system wherein a plurality of customers have accounts with an agent. A customer obtains an authenticated quote from a specific merchant, the quote including a specification of goods and a payment amount for those goods. The customer sends to the agent a single communication including a request for payment of the payment amount to the specific merchant and a unique identification of the customer. The agent issues to the customer an authenticated payment advice based only on the single communication and secret shared between the customer and the agent and status information which the agent knows about the merchant and/or the customer. The customer forwards a portion of the payment advice to the specific merchant. The specific merchant provides the goods to the customer in response to receiving the portion of the payment advice.

47 Claims, 47 Drawing figures Exemplary Claim Number: 1
Number of Drawing Sheets: 20

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 11. Document ID: US 6026379 A-

L1: Entry 11 of 50

File: USPT

Feb 15, 2000

US-PAT-NO: 6026379

DOCUMENT-IDENTIFIER: US 6026379 A

TITLE: System, method and article of manufacture for managing transactions in a high availability system

DATE-ISSUED: February 15, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Haller; Daniel R.	Menlo Park	CA	N/A	N/A
Nguyen; Trong	Sunnyvale	CA	N/A	N/A
Rowney; Kevin T. B.	San Francisco	CA	N/A	N/A
Berger; David A.	San Mateo	CA	N/A	N/A
Kramer; Glenn A.	San Francisco	CA	N/A	N/A

US-CL-CURRENT: 705/34; 705/26, 705/27, 705/39

ABSTRACT:

An architecture is disclosed allowing a server to communicate bidirectionally with a gateway over a first communication link, over which service requests are initiated by the server. In response to a transaction received from a host legacy system at the gateway, the gateway parses one or more transaction response values from the host message, maps the one or more transaction response values to a canonical response code, and stores the canonical response code in a transaction log. According to a broad aspect of a preferred embodiment of the invention, communication networks that employ transactions between applications must effectively manage transactions that flow over the network. In addition, networking systems must also detect counterfeit transactions, especially, when the networking systems are utilized for financial transactions. An active, on-line database is utilized as a transaction log to track original requests, valid retries and detect fraudulent transactions. The transaction log serves as a memory cache where the received host response is returned to a valid retry transaction should the original response fail to reach a server because of a communications problem.

25 Claims, 106 Drawing figures Exemplary Claim Number: 1

Number of Drawing Sheets: 57

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Draw Desc	Image
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☐ 12. Document ID: US 6023684 A

L1: Entry 12 of 50

File: USPT

Feb 8, 2000

US-PAT-NO: 6023684

DOCUMENT-IDENTIFIER: US 6023684 A

TITLE: Three tier financial transaction system with cache memory

DATE-ISSUED: February 8, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Pearson; Mark P.	Atlanta	GA	N/A	N/A

US-CL-CURRENT: 705/35; 705/36, 705/42, 707/10, 709/250

ABSTRACT:

A three tier financial transaction system having a local data memory is disclosed. The three tier system includes a client interface, an application service, a host interface, and a local data memory. The client interface communicates data messages between a client program and the financial transaction system. The client interface converts client requests to a format compatible with the application service so the application service may process client requests from client programs. At the initiation of a logical session with a client program, the application service refreshes data for the customer associated with the client program using data obtained from a back end processing system through the host interface. The data in the local data memory is then used by the application service for processing client requests during the logical session. Response data generated by the application service is provided to the client interface for presentation to the client program. Communication between the client program and the client interface is preferably performed over an open communication network. The local data memory permits the processing of the client service request to be decoupled from the updating of the back end processing system to improve response times for client request processing.

20 Claims, 6 Drawing figures Exemplary Claim Number: 1
Number of Drawing Sheets: 4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 13. Document ID: US 6021202 A

L1: Entry 13 of 50

File: USPT

Feb 1, 2000

US-PAT-NO: 6021202

DOCUMENT-IDENTIFIER: US 6021202 A

TITLE: Method and system for processing electronic documents

DATE-ISSUED: February 1, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Anderson; Milton	Fair Haven	NJ	N/A	N/A
Jaffe; Frank	Boston	MA	N/A	N/A
Hibbert; Chris	Los Altos	CA	N/A	N/A
Virkki; Jyri	Scott Vly	CA	N/A	N/A
Kravitz; Jeffrey	Yorktown Heights	NY	N/A	N/A
Chang; Sheveling	Cupertino	CA	N/A	N/A
Palmer; Elaine	Goldens Bridge	NY	N/A	N/A

US-CL-CURRENT: 705/54; 705/18, 705/44, 713/176, 713/181

ABSTRACT:

The invention includes a markup language according to the SGML standard in which document type definitions are created under which electronic documents are divided into blocks that are associated with logical fields that are specific to the type of block. Each of many different types of electronic documents can have a record mapping to a particular environment, such as a legacy environment of a banking network, a hospital's computer environment for electronic record keeping, a lending institution's computer environment for processing loan applications, or a court or arbitrator's computer system. Semantic document type definitions for various electronic document types (including, for example, electronic checks, mortgage applications, medical records, prescriptions, contracts, and the like) can be formed using mapping techniques between the logical content of the document and the block that is defined to include such content. Also, the various document types are preferably defined to satisfy existing customs, protocols and legal rules.

9 Claims, 44 Drawing figures Exemplary Claim Number: 1

Number of Drawing Sheets: 40

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw Desc	Image
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☐ 14. Document ID: US 5999908 A

L1: Entry 14 of 50

File: USPT

Dec 7, 1999

US-PAT-NO: 5999908
DOCUMENT-IDENTIFIER: US 5999908 A

TITLE: Customer-based product design module

DATE-ISSUED: December 7, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Abelow; Daniel H.	Newton	MA	02166	N/A

US-CL-CURRENT: 705/1; 434/118, 705/10, 705/7

ABSTRACT:

The invention may be embedded in products or services that contain a microprocessor and a facility for communication. The resulting two-way interactive media enables relationships to be built with individual customers and groups of customers throughout a product's or service's life cycle. Customers may also be provided with automatic, portable in-use access to constantly updated information during product use, to increase user success and reduce costly and error-filled processes of acquiring product expertise. The invention may interact with customers, gather information from customers, communicate customer information securely to a vendor or external third party(ies), construct and transmit new pre-programmed interactions to the customer communications system in the product, and analyze and report customer information. This new medium provides a worldwide way to transform the use of products and services into interactive two-way dialogues; add in-product performance measures and any specific assistance needed; educate and train customers as their product uses change; permit vendors to discover and respond instantly to market shifts and opportunities; generate and test new ideas; enable customers to guide a vendor or a third party(ies) in satisfying their needs; and other means of using in-product communications to fit business operations with rapidly changing customers and markets. By making two-way learning and information delivery part of the product and service environment, vendors or third parties can become faster, more efficient and accurate in designing, delivering and supporting what customers want to buy.

37 Claims, 35 Drawing figures Exemplary Claim Number: 1
Number of Drawing Sheets: 42

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw Desc	Image
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☐ 15. Document ID: US 5982891 A

L1: Entry 15 of 50

File: USPT

Nov 9, 1999

US-PAT-NO: 5982891

DOCUMENT-IDENTIFIER: US 5982891 A

TITLE: Systems and methods for secure transaction management and electronic rights protection

DATE-ISSUED: November 9, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ginter; Karl L.	Beltsville	MD	N/A	N/A
Shear; Victor H.	Bethesda	MD	N/A	N/A
Spahn; Francis J.	El Cerrito	CA	N/A	N/A
Van Wie; David M.	Sunnyvale	CA	N/A	N/A

US-CL-CURRENT: 705/54; 705/26, 713/167

ABSTRACT:

The present invention provides systems and methods for secure transaction management and electronic rights protection. Electronic appliances such as computers equipped in accordance with the present invention help to ensure that information is accessed and used only in authorized ways, and maintain the integrity, availability, and/or confidentiality of the information. Such electronic appliances provide a distributed virtual distribution environment (VDE) that may enforce a secure chain of handling and control, for example, to control and/or meter or otherwise monitor use of electronically stored or disseminated information. Such a virtual distribution environment may be used to protect rights of various participants in electronic commerce and other electronic or electronic-facilitated transactions. Distributed and other operating systems, environments and architectures, such as, for example, those using tamper-resistant hardware-based processors, may establish security at each node. These techniques may be used to support an all-electronic information distribution, for example, utilizing the "electronic highway."

102 Claims, 153 Drawing figures Exemplary Claim Number: 1
Number of Drawing Sheets: 146

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	RWC	Draw. Desc	Image
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☐ 16. Document ID: US 5983208 A

L1: Entry 16 of 50

File: USPT

Nov 9, 1999

US-PAT-NO: 5983208
DOCUMENT-IDENTIFIER: US 5983208 A

TITLE: System, method and article of manufacture for handling transaction results in a gateway payment architecture utilizing a multichannel, extensible, flexible architecture

DATE-ISSUED: November 9, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Haller; Daniel R.	Menlo Park	CA	N/A	N/A
Nguyen; Trong	Sunnyvale	CA	N/A	N/A

US-CL-CURRENT: 705/40; 705/21, 705/44

ABSTRACT:

Secure transmission of data is provided between a plurality of computer systems over a public communication system, such as the Internet. Secure transmission of data is provided from a customer computer system to a merchant computer system, and for the further secure transmission of payment information regarding a payment instrument from the merchant computer system to a payment gateway computer system. The payment gateway system evaluates the payment information and returns a level of authorization of credit via a secure transmission to the merchant which is communicated to the customer by the merchant. The merchant can then determine whether to accept the payment instrument tendered or deny credit and require another payment instrument. An architecture that provides support for additional message types that are not SET compliant is provided by a preferred embodiment of the invention. A server communicating bidirectionally with a gateway is disclosed. The server communicates to the gateway over a first communication link, over which all service requests are initiated by the server. The gateway uses a second communication link to send service signals to the server. In response to the service signals, the server initiates transactions to the gateway or presents information on an a display device.

21 Claims, 108 Drawing figures Exemplary Claim Number: 1
Number of Drawing Sheets: 57

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	RMIC	Draw Desc	Image
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☐ 17. Document ID: US 5966695 A

L1: Entry 17 of 50

File: USPT

Oct 12, 1999

US-PAT-NO: 5966695
DOCUMENT-IDENTIFIER: US 5966695 A

TITLE: Sales and marketing support system using a graphical query prospect database

DATE-ISSUED: October 12, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Melchione; Anthony R.	Bridgewater	NJ	N/A	N/A
Martinez; Rafael	Fairfield	CT	N/A	N/A
Seifert; Eric	East Northport	NY	N/A	N/A
Hirsch; Martin	Teaneck	NJ	N/A	N/A

US-CL-CURRENT: 705/10; 705/35

ABSTRACT:

An electronic sales and service support system and method for identifying sales targets using a centralized database to improve marketing success. The system includes a central database that receives comprehensive information from a variety of internal and external feeds, and standardizes and households the information in a three-level hierarchy (households, customers, and accounts) for use by a financial institution. The comprehensive information stored on the central database is accessed through micromarketing workstations to generate lists of sales leads for marketing campaigns. A database engine is provided for generating logical access paths for accessing data on the central database to increase speed and efficiency of the central database. The system distributes sales leads electronically to branch networks, where the sales leads are used to target customers for marketing campaigns. The central database is accessed by workstations of a central customer information system for profiling customers, enhancing customer relationships with the financial institution, and electronically tracking sales performance during marketing campaigns.

20 Claims, 24 Drawing figures Exemplary Claim Number: 8
Number of Drawing Sheets: 24

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw. Desc	Image
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☐ 18. Document ID: US 5963925 A

L1: Entry 18 of 50

File: USPT

Oct 5, 1999

US-PAT-NO: 5963925
DOCUMENT-IDENTIFIER: US 5963925 A

TITLE: Electronic statement presentment system

DATE-ISSUED: October 5, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kolling; Ray	Menlo Park	CA	N/A	N/A
Occhino; Michael	Castro Valley	CA	N/A	N/A
Roughgarden; Jeffrey D.	Redwood City	CA	N/A	N/A
Hayward; James T.	Shawmigan Lake	N/A	N/A	CAX

US-CL-CURRENT: 705/40; 705/27, 705/34, 705/39, 705/43

ABSTRACT:

An electronic statement presentment (ESP) system replaces the preparation and mailing of paper statements and invoices from a biller with electronic delivery. Electronic statements have the same look as paper statements as well as including video, audio, graphics, and custom enclosures. Statements are segmented into mandatory and optional components to minimize download time. The ESP system operates independently or is an enhancement to any suitable electronic bill payment system. A central switch computer coordinates template storage, validation, routing and message passing between billers, workstations and consumer financial institutions (CFI). A template authoring workstation (TAWs) creates a template of static biller information to serve as a basis for the electronic statement. The template is stored in a template library at the switch. The switch validates the template by sending it to a template validation workstation (TVAL). Batches of customer statement data are sent from a biller's legacy invoicing system to a statement origination workstation (SORG) along with a template identifier. The switch sends the template to the SORG where the customer data is validated by comparison to the template identified. The batch of customer statement data is sorted by a statement generation workstation (SGEN) identifier associated with each customer record. The sorted batches are sent to the switch where they are routed to the appropriate SGEN based upon the SGEN identifier. Each SGEN generates an electronic statement for each customer from the statement data and the appropriate template. A CFI associated with each SGEN delivers each electronic statement to the appropriate customer using a customer identifier in the statement data and uses any chosen medium.

46 Claims, 20 Drawing figures Exemplary Claim Number: 1
Number of Drawing Sheets: 19

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 19. Document ID: US 5956700 A

L1: Entry 19 of 50

File: USPT

Sep 21, 1999

US-PAT-NO: 5956700

DOCUMENT-IDENTIFIER: US 5956700 A

TITLE: System and method for paying bills and other obligations including selective payor and payee controls

DATE-ISSUED: September 21, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Landry, George W.	Plano	TX	N/A	N/A

US-CL-CURRENT: 705/40; 705/39, 705/78

ABSTRACT:

A system and method for paying bills without requiring interaction with the payors disclosed. The system includes a payor control interface, a communications interface, a bill generator, and a TCF message generator. The bill generator generates bill records from payor and payee information stored within the system for recurring bills. The bill generator may also generate bill records from the payor and payee information and from bill data messages received from payees. The generated bill records are used by the TCF message generator to generate the EFT messages for transferring funds electronically between payors and payees. Payors may alter the payment amount and date for a bill as well as reverse payment of a bill already paid. Payees are also able to alter recurring bill records or may present bill data so that bill records reflecting variable obligation amounts may be generated.

50 Claims, 78 Drawing figures Exemplary Claim Number: 1
Number of Drawing Sheets: 74

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 20. Document ID: US 5949876 A

L1: Entry 20 of 50

File: USPT

Sep 7, 1999

US-PAT-NO: 5949876
DOCUMENT-IDENTIFIER: US 5949876 A

TITLE: Systems and methods for secure transaction management and electronic rights protection

DATE-ISSUED: September 7, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ginter; Karl L.	Beltsville	MD	N/A	N/A
Shear; Victor H.	Bethesda	MD	N/A	N/A
Spahn; Francis J.	El Cerrito	CA	N/A	N/A
Van Wie; David M.	Sunnyvale	CA	N/A	N/A

US-CL-CURRENT: 705/80; 705/1, 705/39, 705/54

ABSTRACT:

The present invention provides systems and methods for secure transaction management and electronic rights protection. Electronic appliances such as computers equipped in accordance with the present invention help to ensure that information is accessed and used only in authorized ways, and maintain the integrity, availability, and/or confidentiality of the information. Such electronic appliances provide a distributed virtual distribution environment (VDE) that may enforce a secure chain of handling and control, for example, to control and/or meter or otherwise monitor use of electronically stored or disseminated information. Such a virtual distribution environment may be used to protect rights of various participants in electronic commerce and other electronic or electronic-facilitated transactions. Distributed and other operating systems, environments and architectures, such as, for example, those using tamper-resistant hardware-based processors, may establish security at each node. These techniques may be used to support an all-electronic information distribution, for example, utilizing the "electronic highway."

375 Claims, 155 Drawing figures Exemplary Claim Number: 1
Number of Drawing Sheets: 146

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMIC	Draw Desc	Image
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☐ 21. Document ID: US 5933816 A

L1: Entry 21 of 50

File: USPT

Aug 3, 1999

US-PAT-NO: 5933816
DOCUMENT-IDENTIFIER: US 5933816 A

TITLE: System and method for delivering financial services

DATE-ISSUED: August 3, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Zeanah; James	Thousand Oaks	CA	N/A	N/A
Abbott; Charles	Santa Monica	CA	N/A	N/A
Boyd; Nik	Los Angeles	CA	N/A	N/A
Cohen; Albert	Los Angeles	CA	N/A	N/A
Cook; James	Manhattan Beach	CA	N/A	N/A
Grandcolas; Michael	Santa Monica	CA	N/A	N/A
Lan; Sikhun	Los Angeles	CA	N/A	N/A
Lindsley; Bonnie	Santa Clarita	CA	N/A	N/A
Markarian; Grigor	Agoura	CA	N/A	N/A
Moss; Leslie	Los Angeles	CA	N/A	N/A

US-CL-CURRENT: 705/35

ABSTRACT:

A delivery system and method allow a financial institution to provide financial services to a plurality of remote devices, such as personal computers, personal data assistants, and screen phones. In addition to providing services to these remote devices, the system and method provide services to automatic teller machines (ATMs), external service providers, and internally within the financial institution to staff terminals and to the individual branches of the financial institution. The delivery of financial services is not limited to any particular network but rather may be provided through dial-in access, Internet access, on-line service provider access, or other types of delivery networks. The system is comprised of a set of reusable global components which are modular and are organized into services sets. By separating the components of the system into independent components, the system and method can be developed and tested on a component level rather than the entire system level, thereby substantially reducing the development and maintenance cycle time. The system and method operate in sessions and, for instance, employ a dialog component for gathering information from a customer, a rule broker component for providing answers to the various legal and regulatory rules in a particular country, a language man component for selecting appropriate language, a transaction executor component for performing transactions, and a presentation manager component for formatting outputs to the customer. The system and method provide state-of-the art interfaces with interface components and support legacy applications with legacy app bridge components.

70 Claims, 22 Drawing figures Exemplary Claim Number: 38
Number of Drawing Sheets: 22

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw. Desc	Image
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☐ 22. Document ID: US 5930764 A

L1: Entry 22 of 50

File: USPT

Jul 27, 1999

US-PAT-NO: 5930764

DOCUMENT-IDENTIFIER: US 5930764 A

TITLE: Sales and marketing support system using a customer information database

DATE-ISSUED: July 27, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Melchione; Anthony R.	Bridgewater	NJ	N/A	N/A
Martinez; Rafael	Fairfield	CT	N/A	N/A
Seifert; Eric	East Northport	NY	N/A	N/A
Hirsch; Martin	Teaneck	NJ	N/A	N/A

US-CL-CURRENT: 705/10; 705/35

ABSTRACT:

A sales process support system and method for identifying sales targets using a centralized database to improve marketing success. The system includes a central database that receives comprehensive information from a variety of internal and external feeds, and standardizes and households the information in a three-level hierarchy (households, customers, and accounts) for use by a financial institution. The comprehensive information stored on the central database is accessed through micromarketing workstations to generate lists of sales leads for marketing campaigns. A database engine is provided for generating logical access paths for accessing data on the central database to increase speed and efficiency of the central database. The system distributes sales leads electronically to branch networks, where the sales leads are used to target customers for marketing campaigns. The central database is accessed by workstations of a central customer information system for profiling customers, enhancing customer relationships with the financial institution, and electronically tracking sales and service performance during marketing campaigns. The system can also include a system for opening an account in a single session that is in communication with the central database, micromarketing centers, central customer information systems and branch systems of the present invention so that data can pass between these systems where legal and appropriate.

17 Claims, 68 Drawing figures Exemplary Claim Number: 1
Number of Drawing Sheets: 68

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMIC	Draw Desc	Image
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☐ 23. Document ID: US 5920847 A

L1: Entry 23 of 50

File: USPT

Jul 6, 1999

US-PAT-NO: 5920847

DOCUMENT-IDENTIFIER: US 5920847 A

TITLE: Electronic bill pay system

DATE-ISSUED: July 6, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kolling; Ray	Menlo Park	CA	N/A	N/A
Powar; William L.	Palo Alto	CA	N/A	N/A

US-CL-CURRENT: 705/40; 705/44, 705/45

ABSTRACT:

A bill pay system wherein participating consumers pay bills to participating billers through a payment network operating according to preset rules. The participating consumers receive bills from participating billers (paper/mail bills, e-mail notices, implied bills for automatic debits) which indicate an amount, and a unique biller identification number. To authorize a remittance, a consumer transmits to its participating bank a bill pay order indicating a payment date, a payment amount, the consumer's account number with the biller, a source of funds and the biller's biller identification number, either directly or by reference to static data containing those data elements. Bank C then submits a payment message to a payment network, and the payment network, which assigns the biller reference numbers, forwards the payment message to the biller's bank. For settlement, the consumer's bank debits the consumer's account and is obligated to a net position with the payment network; likewise, the biller's bank receives a net position from the payment network and credits the biller's bank account. If the consumer's bank agrees to send non-reversible payment messages, the consumer's bank does not submit the transaction until funds are good unless the consumer's bank is willing to take the risk of loss if funds are not good, in the case of a guaranteed payment network.

24 Claims, 17 Drawing figures Exemplary Claim Number: 15

Number of Drawing Sheets: 23

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMMC	Draw Desc	Image
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☐ 24. Document ID: US 5917912 A

L1: Entry 24 of 50

File: USPT

Jun 29, 1999

US-PAT-NO: 5917912
DOCUMENT-IDENTIFIER: US 5917912 A

TITLE: System and methods for secure transaction management and electronic rights protection

DATE-ISSUED: June 29, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ginter; Karl L.	Beltsville	MD	N/A	N/A
Shear; Victor H.	Bethesda	MD	N/A	N/A
Spahn; Francis J.	El Cerrito	CA	N/A	N/A
Van Wie; David M.	Sunnyvale	CA	N/A	N/A

US-CL-CURRENT: 713/187; 705/40, 709/312, 713/164

ABSTRACT:

The present invention provides systems and methods for secure transaction management and electronic rights protection. Electronic appliances such as computers equipped in accordance with the present invention help to ensure that information is accessed and used only in authorized ways, and maintain the integrity, availability, and/or confidentiality of the information. Such electronic appliances provide a distributed virtual distribution environment (VDE) that may enforce a secure chain of handling and control, for example, to control and/or meter or otherwise monitor use of electronically stored or disseminated information. Such a virtual distribution environment may be used to protect rights of various participants in electronic commerce and other electronic or electronic-facilitated transactions. Distributed and other operating systems, environments and architectures, such as, for example, those using tamper-resistant hardware-based processors, may establish security at each node. These techniques may be used to support an all-electronic information distribution, for example, utilizing the "electronic highway."

58 Claims, 153 Drawing figures Exemplary Claim Number: 58
Number of Drawing Sheets: 146 - -

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw Desc	Image
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☐ 25. Document ID: US 5915019 A

L1: Entry 25 of 50

File: USPT

Jun 22, 1999

US-PAT-NO: 5915019
DOCUMENT-IDENTIFIER: US 5915019 A

TITLE: Systems and methods for secure transaction management and electronic rights protection

DATE-ISSUED: June 22, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ginter; Karl L.	Beltsville	MD	N/A	N/A
Shear; Victor H.	Bethesda	MD	N/A	N/A
Spahn; Francis J.	El Cerrito	CA	N/A	N/A
Van Wie; David M.	Sunnyvale	CA	N/A	N/A

US-CL-CURRENT: 705/54; 705/26, 705/400, 713/200

ABSTRACT:

The present invention provides systems and methods for secure transaction management and electronic rights protection. Electronic appliances such as computers equipped in accordance with the present invention help to ensure that information is accessed and used only in authorized ways, and maintain the integrity, availability, and/or confidentiality of the information. Such electronic appliances provide a distributed virtual distribution environment (VDE) that may enforce a secure chain of handling and control, for example, to control and/or meter or otherwise monitor use of electronically stored or disseminated information. Such a virtual distribution environment may be used to protect rights of various participants in electronic commerce and other electronic or electronic-facilitated transactions. Distributed and other operating systems, environments and architectures, such as, for example, those using tamper-resistant hardware-based processors, may establish security at each node. These techniques may be used to support an all-electronic information distribution, for example, utilizing the "electronic highway."

101 Claims, 155 Drawing figures Exemplary Claim Number: 1
Number of Drawing Sheets: 146

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw Desc	Image
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☐ 26. Document ID: US 5910987 A

L1: Entry 26 of 50

File: USPT

Jun 8, 1999

US-PAT-NO: 5910987

DOCUMENT-IDENTIFIER: US 5910987 A

TITLE: Systems and methods for secure transaction management and electronic rights protection

DATE-ISSUED: June 8, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ginter; Karl L.	Beltsville	MD	N/A	N/A
Shear; Victor H.	Bethesda	MD	N/A	N/A
Spahn; Francis J.	El Cerrito	CA	N/A	N/A
Van Wie; David M.	Sunnyvale	CA	N/A	N/A

US-CL-CURRENT: 705/52; 705/30

ABSTRACT:

The present invention provides systems and methods for secure transaction management and electronic rights protection. Electronic appliances such as computers equipped in accordance with the present invention help to ensure that information is accessed and used only in authorized ways, and maintain the integrity, availability, and/or confidentiality of the information. Such electronic appliances provide a distributed virtual distribution environment (VDE) that may enforce a secure chain of handling and control, for example, to control and/or meter or otherwise monitor use of electronically stored or disseminated information. Such a virtual distribution environment may be used to protect rights of various participants in electronic commerce and other electronic or electronic-facilitated transactions. Distributed and other operating systems, environments and architectures, such as, for example, those using tamper-resistant hardware-based processors, may establish security at each node. These techniques may be used to support an all-electronic information distribution, for example, utilizing the "electronic highway."

2 Claims, 155 Drawing figures Exemplary Claim Number: 1
Number of Drawing Sheets: 146

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 27. Document ID: US 5905908 A

L1: Entry 27 of 50

File: USPT

May 18, 1999

US-PAT-NO: 5905908
DOCUMENT-IDENTIFIER: US 5905908 A

TITLE: Open network system for I/O operations with non-standard I/O devices
utilizing extended protocol including device identifier and identifier for
operation to be performed with device

DATE-ISSUED: May 18, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wagner; Richard Hiers	Dunwoody	GA	N/A	N/A

US-CL-CURRENT: 710/11; 370/401, 709/203, 709/228

ABSTRACT:

An open network system for supporting input/output (I/O) operations for non-standard I/O devices are disclosed. The system includes a server coupled to a plurality of I/O devices through an open network and an extended open system protocol that supports communication with devices that are not personal computers (PCs). These devices include magnetic stripe readers, check readers, smart card readers, credit card terminals, screen phone terminals, PIN pads, printers, and the like. The extended open network protocol includes tags which identify device and input operations and attributes which identify the location, data exchange method, and data variable names for the retrieval, acquisition, and submission of data between the server and I/O devices. Preferably, the open network protocol is implemented in a Hyper Text Transport Protocol (HTTP). Preferably, the system includes a common gateway interface (CGI) at the server which converts protocol statements communicated between the server and I/O devices to application language statements for providing data to an application program coupled to the server. Most preferably, the application statements and protocol statements are constructed in integrated statements with an editor. The editor ensures that data identifiers in the application and protocol statements are compatible. The integrated statements are then parsed by the editor to segregate the protocol statements from the application statements. The protocol statements are downloaded in a file to a client program at an I/O device for processing. The application statements are stored in a file for use by the application. In this manner, generation of the files for client and application processing are automatically done without the user ensuring the correlation of the data fields in the two files.

20 Claims, 31 Drawing figures Exemplary Claim Number: 1
Number of Drawing Sheets: 25

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMIC	Draw Desc	Image
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☐ 28. Document ID: US 5901214 A

L1: Entry 28 of 50

File: USPT

May 4, 1999

US-PAT-NO: 5901214

DOCUMENT-IDENTIFIER: US 5901214 A

TITLE: One number intelligent call processing system

DATE-ISSUED: May 4, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Shaffer; James D.	Rancho Santa Fe	CA	N/A	N/A
Moore; George G.	Great Falls	VA	N/A	N/A

US-CL-CURRENT: 379/220; 379/219, 379/223, 379/88.01, 379/88.13, 704/270.1

ABSTRACT:

A one number, multi-application, intelligent call processing system provides service benefits to a caller, a servicing location and/or a vanity number advertiser during a call, parallel to the call and/or post call in an integrated common architecture. To provide these benefits, the system utilizes Voice Response Unit (VRU) technology in conjunction with the national telecommunications network connected via Computer Telephone Integration (CTI) to a virtual telephone number database containing a nation-wide master list of telephone numbers with thousands of attribute data items associated by Spatial Key linkage to each telephone number. The process of the invention is initiated by a caller dialing a selected telephone number to request information and/or services. Based on the number dialed, a caller or network provided 10 digit telephone number and VRU prompted for and received caller input, the system retrieves the application requested data from the virtual telephone number database. The application uses the retrieved information to direct the VRU to speak selected retrieved information to the caller that is desired by the caller or needs to be verified by the caller, to automatically connect the caller with a servicing location whose service area can be geographically defined as any size or shape and encompasses the caller provided telephone number's location, and/or to store portions of the received and retrieved information for later use.

58 Claims, 29 Drawing figures Exemplary Claim Number: 50

Number of Drawing Sheets: 28

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	RWAC	Draw Desc	Image
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☐ 29. Document ID: US 5898838 A

L1: Entry 29 of 50

File: USPT

Apr 27, 1999

US-PAT-NO: 5898838
DOCUMENT-IDENTIFIER: US 5898838 A

TITLE: Editor for developing statements to support i/o operation on open network using segregator for segregating protocol statements from application statements upon verification of correspondence

DATE-ISSUED: April 27, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wagner; Richard Hiers	Dunwoody	GA	N/A	N/A

US-CL-CURRENT: 709/224; 707/523, 707/524

ABSTRACT:

An open network system for supporting input/output (I/O) operations for non-standard I/O devices are disclosed. The system includes a server coupled to a plurality of I/O devices through an open network and an extended open system protocol that supports communication with devices that are not personal computers (PCs). These devices include magnetic stripe readers, check readers, smart card readers, credit card terminals, screen phone terminals, PIN pads, printers, and the like. The extended open network protocol includes tags which identify device and input operations and attributes which identify the location, data exchange method, and data variable names for the retrieval, acquisition, and submission of data between the server and I/O devices. Preferably, the open network protocol is implemented in a Hyper Text Transport Protocol (HTTP). Preferably, the system includes a common gateway interface (CGI) at the server which converts protocol statements communicated between the server and I/O devices to application language statements for providing data to an application program coupled to the server. Most preferably, the application statements and protocol statements are constructed in integrated statements with an editor. The editor ensures that data identifiers in the application and protocol statements are compatible. The integrated statements are then parsed by the editor to segregate the protocol statements from the application statements. The protocol statements are downloaded in a file to a client program at an I/O device for processing. The application statements are stored in a file for use by the application. In this manner, generation of the files for client and application processing are automatically done without the user ensuring the correlation of the data fields in the two files.

12 Claims, 31 Drawing figures Exemplary Claim Number: 1
Number of Drawing Sheets: 25

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	RMIC	Draw Desc	Image
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☐ 30. Document ID: US 5892900 A

L1: Entry 30 of 50

File: USPT

Apr 6, 1999

US-PAT-NO: 5892900
DOCUMENT-IDENTIFIER: US 5892900 A

TITLE: Systems and methods for secure transaction management and electronic rights protection

DATE-ISSUED: April 6, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ginter; Karl L.	Beltsville	MD	N/A	N/A
Shear; Victor H.	Bethesda	MD	N/A	N/A
Sibert; W. Olin	Lexington	MA	N/A	N/A
Spahn; Francis J.	El Cerrito	CA	N/A	N/A
Van Wie; David M.	Sunnyvale	CA	N/A	N/A

US-CL-CURRENT: 713/200; 713/201

ABSTRACT:

The present invention provides systems and methods for electronic commerce including secure transaction management and electronic rights protection. Electronic appliances such as computers employed in accordance with the present invention help to ensure that information is accessed and used only in authorized ways, and maintain the integrity, availability, and/or confidentiality of the information. Secure subsystems used with such electronic appliances provide a distributed virtual distribution environment (VDE) that may enforce a secure chain of handling and control, for example, to control and/or meter or otherwise monitor use of electronically stored or disseminated information. Such a virtual distribution environment may be used to protect rights of various participants in electronic commerce and other electronic or electronic-facilitated transactions. Secure distributed and other operating system environments and architectures, employing, for example, secure semiconductor processing arrangements that may establish secure, protected environments at each node. These techniques may be used to support an end-to-end electronic information distribution capability that may be used, for example, utilizing the "electronic highway."

220 Claims, 177 Drawing figures Exemplary Claim Number: 1
Number of Drawing Sheets: 163

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KVMC	Draw Desc	Image
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☐ 31. Document ID: US 5878403 A

L1: Entry 31 of 50

File: USPT

Mar 2, 1999

US-PAT-NO: 5878403
DOCUMENT-IDENTIFIER: US 5878403 A

TITLE: Computer implemented automated credit application analysis and decision routing system

DATE-ISSUED: March 2, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
DeFrancesco; James R.	Columbia	MD	N/A	N/A
Freiman; Scott L.	Bethesda	MD	N/A	N/A
Agrawal; Arvind K.	Columbia	MD	N/A	N/A

US-CL-CURRENT: 705/38; 705/35

ABSTRACT:

A credit application and routing system includes a central processor having and executing a program. The system includes data input capabilities for selectively receiving credit application data from respective applicants at remote locations, and routing capabilities for selectively forwarding the credit application data to remote funding sources and selectively forwarding funding decision data from the funding sources to the respective applicants. The computer program includes routines for receiving a credit application from at least one remote application input and display device, for selectively forwarding a received credit application to at least one funding source, for receiving a funding decision from the at least one funding source, and for forwarding a received funding decision to the at least one remote application input and display device. The system can also obtain credit report data from credit bureaua, and analyze and summarize the credit report data. A computer readable storage medium has a substrate physically configured to represent the computer program which causes a computer to provide the credit application and routing system.

79 Claims, 49 Drawing figures Exemplary Claim Number: 1
Number of Drawing Sheets: 49

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWMC	Draw Desc	Image
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☐ 32. Document ID: US 5870724 A

L1: Entry 32 of 50

File: USPT

Feb 9, 1999

US-PAT-NO: 5870724

DOCUMENT-IDENTIFIER: US 5870724 A

TITLE: Targeting advertising in a home retail banking delivery service

DATE-ISSUED: February 9, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lawlor; Matthew P.	Falls Church	VA	N/A	N/A
Carmody; Timothy E.	McLean	VA	N/A	N/A

US-CL-CURRENT: 705/42; 235/379, 235/380, 705/14, 705/43

ABSTRACT:

A practical system and method for the remote distribution of financial services (e.g., home banking and bill-paying) involves distributing portable terminals to a user base. The terminals include a multi-line display, keys "pointing to" lines on the display, and additional keys. Contact is established between the terminals and a central computer operated by a service provider, preferably over a dial-up telephone line and a packet data network. Information exchange between the central computer and the terminal solicits information from the terminal user related to requested financial services (e.g., for billpaying, the user provides payee selection and amount and his bank account PIN number). The central computer then transmits a message over a conventional ATM network debiting the user's bank account in real time, and may pay the specified payees the specified amount electronically or in other ways as appropriate. Payments and transfers may be scheduled in advance or on a periodic basis. Because the central computer interacts with the user's bank as a standard POS or ATM network node, no significant software changes are required at the banks' computers. The terminal interface is extremely user-friendly and incorporates some features of standard ATM user interfaces so as to reduce new user anxiety.

18 Claims, 50 Drawing figures Exemplary Claim Number: 1

Number of Drawing Sheets: 44

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 33. Document ID: US 5866889 A .

L1: Entry 33 of 50

File: USPT

Feb 2, 1999

US-PAT-NO: 5866889
DOCUMENT-IDENTIFIER: US 5866889 A

TITLE: Integrated full service consumer banking system and system and method
for opening an account

DATE-ISSUED: February 2, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Weiss; Lawrence	Skaneateles	NY	N/A	N/A
Dowd; Marylou	Massapequa	NY	N/A	N/A

US-CL-CURRENT: 235/379; 235/381, 902/22, 902/24

ABSTRACT:

An integrated financial system that includes a single customer account that permits a customer to perform various financial transactions. The account includes at least banking components and brokerage components. A consistent user interface means is provided to allow a customer to access the account from a different sources including at least an automatic teller machine, a phone and a personal teller transaction. The account is flexible enough to include a variety of other components such as a credit card component, a line of credit component, a secured credit component and a money market component. A system and method for opening a single integrated account for a customer in a single session is also described.

23 Claims, 43 Drawing figures Exemplary Claim Number: 1
Number of Drawing Sheets: 43

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 34. Document ID: US 5844218 A

L1: Entry 34 of 50

File: USPT

Dec 1, 1998

US-PAT-NO: 5844218
DOCUMENT-IDENTIFIER: US 5844218 A

TITLE: Method and system for using an application programmable smart card for financial transactions in multiple countries

DATE-ISSUED: December 1, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kawan; Joseph C.	Hollywood	CA	N/A	N/A
Tan; Warren Yung-Hang	Thousand Oaks	CA	N/A	N/A

US-CL-CURRENT: 235/380; 235/375, 235/379, 902/25, 902/26, 902/8

ABSTRACT:

A smart card for financial transactions that can be programmed to operate using a variety of applications is disclosed. The card includes an interpreter that interfaces the smart card and an automatic teller machine or merchant terminal. The card includes a plurality of application modules each of which contain application programming that can be used by the interpreter to manage the card-to-system interface. At least one of the application modules can be reprogrammed to provide application programming for the interpreter that is compatible with the locally prevalent application program used by automatic teller machines and card terminals in the area where the cardholder is traveling.

4 Claims, 4 Drawing figures Exemplary Claim Number: 1
Number of Drawing Sheets: 4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 35. Document ID: US 5838812 A

L1: Entry 35 of 50

File: USPT

Nov 17, 1998

US-PAT-NO: 5838812

DOCUMENT-IDENTIFIER: US 5838812 A

TITLE: Tokenless biometric transaction authorization system

DATE-ISSUED: November 17, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Pare, Jr.; David Ferrrin	Berkeley	CA	N/A	N/A
Lee; Jonathan Alexander	Berkeley	CA	N/A	N/A
Hoffman; Ned	Sebastopol	CA	N/A	N/A

US-CL-CURRENT: 382/115; 382/181

ABSTRACT:

A tokenless identification system and method for authorization of transactions and transmissions is described. The tokenless system and method are principally based on a correlative comparison of a unique biometrics sample, such as a finger print or voice recording, gathered directly from the person of an unknown user, with an authenticated biometrics sample of the same type obtained and stored previously. The method and apparatus can be networked to act as a full or partial intermediary between other independent computer systems, or may be the sole computer systems carrying out all necessary executions. The method and apparatus further contemplates the use of a private code that is returned to the user after the identification has been complete, authenticating and indicating to the user that the computer system was accessed. The identification system and method of the invention additionally include emergency notification process to permit an authorized user to alert authorities an access attempt is coerced.

19 Claims, 28 Drawing figures Exemplary Claim Number: 1
Number of Drawing Sheets: 17

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 36. Document ID: US 5805719 A

L1: Entry 36 of 50

File: USPT

Sep 8, 1998

US-PAT-NO: 5805719
DOCUMENT-IDENTIFIER: US 5805719 A

TITLE: Tokenless identification of individuals

DATE-ISSUED: September 8, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Pare, Jr.; David Ferrin	Berkeley	CA	N/A	N/A
Hoffman; Ned	Berkeley	CA	N/A	N/A
Lee; Jonathan Alexander	Berkeley	CA	N/A	N/A

US-CL-CURRENT: 382/115; 382/224

ABSTRACT:

A tokenless identification system and method for authorization of transactions and transmissions. The tokenless system and method are principally based on a correlative comparison of a unique biometrics sample, such as a finger print or voice recording, gathered directly from the person of an unknown user, with an authenticated biometrics sample of the same type obtained and stored previously. The system can be networked to act as a full or partial intermediary between other independent computer systems, or may be the sole computer systems carrying out all necessary executions. The system further contemplates the use of a private code that is returned to the user after the identification has been complete, authenticating and indicating to the user that the computer system was accessed. The identification system and method additionally include emergency notification device to permit an authorized user to alert authorities an access attempt is coerced.

1 Claims, 22 Drawing figures Exemplary Claim Number: 1
Number of Drawing Sheets: 14

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	RWC	Draw. Desc	Image
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☐ 37. Document ID: US 5742845 A

L1: Entry 37 of 50

File: USPT

Apr 21, 1998

US-PAT-NO: 5742845
DOCUMENT-IDENTIFIER: US 5742845 A

TITLE: System for extending present open network communication protocols to communicate with non-standard I/O devices directly coupled to an open network

DATE-ISSUED: April 21, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wagner; Richard Hiers	Dunwoody	GA	N/A	N/A

US-CL-CURRENT: 710/11; 705/26

ABSTRACT:

An open network system for supporting input/output (I/O) operations for non-standard I/O devices are disclosed. The system includes a server coupled to a plurality of I/O devices through an open network and an extended open system protocol that supports communication with devices that are not personal computers (PCs). These devices include magnetic stripe readers, check readers, smart card readers, credit card terminals, screen phone terminals, PIN pads, printers, and the like. The extended open network protocol includes tags which identify device and input operations and attributes which identify the location, data exchange method, and data variable names for the retrieval, acquisition, and submission of data between the server and I/O devices. Preferably, the open network protocol is implemented in a Hyper Text Transport Protocol (HTTP). Preferably, the system includes a common gateway interface (CGI) at the server which converts protocol statements communicated between the server and I/O devices to application language statements for providing data to an application program coupled to the server. Most preferably, the application statements and protocol statements are constructed in integrated statements with an editor. The editor ensures that data identifiers in the application and protocol statements are compatible. The integrated statements are then parsed by the editor to segregate the protocol statements from the application statements. The protocol statements are downloaded in a file to a client program at an I/O device for processing. The application statements are stored in a file for use by the application. In this manner, generation of the files for client and application processing are automatically done without the user ensuring the correlation of the data fields in the two files.

33 Claims, 31 Drawing figures Exemplary Claim Number: 1
Number of Drawing Sheets: 25

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMIC	Draw Desc	Image
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☐ 38. Document ID: US 5729594 A

L1: Entry 38 of 50

File: USPT

Mar 17, 1998

US-PAT-NO: 5729594

DOCUMENT-IDENTIFIER: US 5729594 A

TITLE: On-line secured financial transaction system through electronic media

DATE-ISSUED: March 17, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Klingman; Edwin E.	San Gregorio	CA	94074	N/A

US-CL-CURRENT: 379/93.12; 705/26

ABSTRACT:

A remote communication system for facilitating secure electronic purchases of goods in on-line, wherein a suitable local user input device in association with a data transmission system, couples the user input into a packet network system for communication to a remote receiver/decoder apparatus to TRY a potentially desired product. Upon selection of the desired product by the user, a telcom network link is used to communicate a telephone number associated with the desired product from the user to the remote receiver to allow the user to BUY the desired product. The telcom network used to link the user input device to the remote apparatus may also include a 900 number billing system for assessing and collecting fees for use of the system.

22 Claims, 12 Drawing figures Exemplary Claim Number: 1
Number of Drawing Sheets: 12

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 39. Document ID: US 5704044 A

- L1: Entry 39 of 50

File: USPT

Dec 30, 1997 -

US-PAT-NO: 5704044

DOCUMENT-IDENTIFIER: US 5704044 A

TITLE: Computerized healthcare accounts receivable purchasing, collections, securitization and management system

DATE-ISSUED: December 30, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tarter; Fred B.	Armonk	NY	N/A	N/A
Greene; Jeffrey M.	New York	NY	N/A	N/A
De Fazio; Thomas J.	New York	NY	N/A	N/A
Peck; Jan	Glendale	AZ	N/A	N/A
Wylie; L. Stephen	Scottsdale	AZ	N/A	N/A
Magnotte; Mark M.	Woodbridge	NJ	N/A	N/A
Hall; Del	Phoenix	AZ	N/A	N/A
Tarter; Scott A.	Armonk	NY	N/A	N/A

US-CL-CURRENT: 705/4; 705/2

ABSTRACT:

The present invention is a computerized method and system for financing health care service providers, especially pharmacies, by evaluating and purchasing their accounts receivables, scoring the creditworthiness of payors and obligors such as insurance companies, self-insured employers, health maintenance organizations, preferred provider organizations, government agencies, and other entities sponsoring groups and individuals receiving health care benefits, collecting on receivables, securitizing receivables, managing funds, and processing and reconciling claims and payments.

3 Claims, 71 Drawing figures Exemplary Claim Number: 1
Number of Drawing Sheets: 71

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Draw. Desc	Image
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☐ 40. Document ID: US 5701400 A

L1: Entry 40 of 50

File: USPT

Dec 23, 1997

US-PAT-NO: 5701400
DOCUMENT-IDENTIFIER: US 5701400 A

TITLE: Method and apparatus for applying if-then-else rules to data sets in a relational data base and generating from the results of application of said rules a database of diagnostics linked to said data sets to aid executive analysis of financial data

DATE-ISSUED: December 23, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Amado; Carlos Armando	Miami	FL	33131-2400	N/A

US-CL-CURRENT: 706/45; 706/47, 706/60

ABSTRACT:

A system for applying artificial intelligence technology to data stored in databases and generates diagnostics that are user definable interpretations of information in the database. The diagnostics are stored in a database which can be queried with downdrilling to the associated data which generated the diagnostic. A set of bidirectional links is maintained between selected data items in the first database and the corresponding diagnostics in the second database. The system acts as an information compiler in developing a map of the raw data dimension into the structured dimension of intelligent interpretation of the data in the diagnostic database.

12 Claims, 137 Drawing figures Exemplary Claim Number: 1
Number of Drawing Sheets: 59

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 41. Document ID: US 5649117 A

L1: Entry 41 of 50

File: USPT

Jul 15, 1997

US-PAT-NO: 5649117

DOCUMENT-IDENTIFIER: US 5649117 A

TITLE: System and method for paying bills and other obligations including selective payor and payee controls

DATE-ISSUED: July 15, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Landry; George W.	Cincinnati	OH	N/A	N/A

US-CL-CURRENT: 705/40

ABSTRACT:

A system and method for paying bills without requiring interaction with the payors disclosed. The system includes a payor control interface, a communications interface, a bill generator, and a TCF message generator. The bill generator generates bill records from payor and payee information stored within the system for recurring bills. The bill generator may also generate bill records from the payor and payee information and from bill data messages received from payees. The generated bill records are used by the TCF message generator to generate the EFT messages for transferring funds electronically between payors and payees. Payors may alter the payment amount and date for a bill as well as reverse payment of a bill already paid. Payees are also able to alter recurring bill records or may present bill data so that bill records reflecting variable obligation amounts may be generated.

24 Claims, 78 Drawing figures Exemplary Claim Number: 1
Number of Drawing Sheets: 74

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 42. Document ID: US 5613012 A

L1: Entry 42 of 50

File: USPT

Mar 18, 1997

US-PAT-NO: 5613012
DOCUMENT-IDENTIFIER: US 5613012 A

TITLE: Tokenless identification system for authorization of electronic transactions and electronic transmissions

DATE-ISSUED: March 18, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hoffman; Ned	Berkeley	CA	N/A	N/A
Pare, Jr.; David F.	Berkeley	CA	N/A	N/A
Lee; Jonathan A.	Berkeley	CA	N/A	N/A

US-CL-CURRENT: 382/115; 235/380, 902/3

ABSTRACT:

A tokenless identification system and method for authorization of transactions and transmissions. The tokenless system and method are principally based on a correlative comparison of a unique biometrics sample, such as a finger print or voice recording, gathered directly from the person of an unknown user, with an authenticated biometrics sample of the same type obtained and stored previously. It can be networked to act as a full or partial intermediary between other independent computer systems, or may be the sole computer systems carrying out all necessary executions. It further contemplates the use of a private code that is returned to the user after the identification has been complete, authenticating and indicating to the user that the computer system was accessed. The identification system and method of additionally include emergency notification to permit an authorized user to alert authorities an access attempt is coerced.

170 Claims, 25 Drawing figures Exemplary Claim Number: 1
Number of Drawing Sheets: 14

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 43. Document ID: US 5572572 A

L1: Entry 43 of 50

File: USPT

Nov 5, 1996

US-PAT-NO: 5572572

DOCUMENT-IDENTIFIER: US 5572572 A

TITLE: Computer and telephone apparatus with user friendly interface and enhanced integrity features

DATE-ISSUED: November 5, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kawan; Joseph C.	Hollywood	CA	N/A	N/A
Takata; Melvin M.	Hermosa Beach	CA	N/A	N/A
Samulon; Alfred S.	Malibu	CA	N/A	N/A
Parekh; Dilip J.	Los Angeles	CA	N/A	N/A
Marks; Harvey	Canoga Park	CA	N/A	N/A
Caruthers; Douglas W.	Marina Del Rey	CA	N/A	N/A
Medine; Carol A.	Los Angeles	CA	N/A	N/A
Nguyen; Truc	Cerritos	CA	N/A	N/A
Warren; Lucilla	Santa Barbara	CA	N/A	N/A
Moss; Leslie	Los Angeles	CA	N/A	N/A
Merguidjian; Sarkis A.	Glendale	CA	N/A	N/A
Tucci; Morris L.	Van Nuys	CA	N/A	N/A
Lee; Shan	Hacienda Heights	CA	N/A	N/A
Vollmer; Jim	Culver City	CA	N/A	N/A
Ahlin; Leo	Etobicoke	N/A	N/A	CAX
Weiss; Lawrence D.	Skaneateles	NY	N/A	N/A
Roth; Leslie	Planview	NY	N/A	N/A
Krieger; Kenneth	Northport	NY	N/A	N/A
Engber; Marjorie	New York	NY	N/A	N/A
Chin; Edward	Long Island City	NY	N/A	N/A
Haddock; Robert	New York	NY	N/A	N/A

US-CL-CURRENT: 379/90.01; 375/222, 379/110.01

ABSTRACT:

A telephone configures as a programmable microcomputer (telephone-computer) which operates in most circumstances through a standard telephone 12-key keypad input. The telephone-computer has the overall appearance of a telephone and includes telephone electronics and a microprocessor unit operated in conjunction with other computer elements, including memory devices, a programmable gate array (PGA) chip which can be initially programmed and then fixed, and enhanced integrity features. The PGA has the capability of being configured to accommodate various types of software which require different hardware Configuration, but without actually reconfiguring the hardware. The telephone-computer delivers data processing capabilities and services through an ordinary telephone instrument via conventional telephone lines with a network host computer which communicates with a vast panoply of service bureaus. Specifically, operating software is downloaded to the telephone-computer by the network host computer to format the microcomputer to conform to the software format used by the service bureaus.

98 Claims, 24 Drawing figures Exemplary Claim Number: 1

Number of Drawing Sheets: 17

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 44. Document ID: US 5570465 A

L1: Entry 44 of 50

File: USPT

Oct 29, 1996

US-PAT-NO: 5570465

DOCUMENT-IDENTIFIER: US 5570465 A

TITLE: Apparatus, method and system for printing of legal currency and negotiable instruments

DATE-ISSUED: October 29, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tsakanikas; Peter J.	Pompano Beach	FL	33069	N/A

US-CL-CURRENT: 358/1.15; 235/379, 358/1.18, 379/93.02

ABSTRACT:

A global network computer system to print legal currency and/or negotiable instruments at a designated location by the input of information to the global network computer system from a remote location. The global network computer system can receive the input information from a telephone handset or terminal using a technique of selective generation of signals. Output signals from the global network computer can be sent to designated facsimile machines, laser printers, telecopiers or automated teller machines for printing the legal currency or negotiable instrument. The global network is also capable of storing and tracking greenback currency provided with a unique barcode.

23 Claims, 9 Drawing figures Exemplary Claim Number: 1
Number of Drawing Sheets: 8

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 45. Document ID: US 5550734 A

L1: Entry 45 of 50

File: USPT

Aug 27, 1996

US-PAT-NO: 5550734

DOCUMENT-IDENTIFIER: US 5550734 A

TITLE: Computerized healthcare accounts receivable purchasing collections securitization and management system

DATE-ISSUED: August 27, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tarter; Fred B.	Armonk	NY	N/A	N/A
Greene; Jeffrey M.	New York	NY	N/A	N/A
De Fazio; Thomas J.	New York	NY	N/A	N/A
Peck; Jan	Glendale	AZ	N/A	N/A
Wylie; L. Stephen	Scottsdale	AZ	N/A	N/A
Magnotte; Mark M.	Woodbridge	NJ	N/A	N/A
Hall; Del	Phoenix	AZ	N/A	N/A
Tarter; Scott A.	Armonk	NY	N/A	N/A

US-CL-CURRENT: 705/2; 705/4

ABSTRACT:

The present invention is a computerized method and system for financing health care service providers, especially pharmacies, by evaluating and purchasing their accounts receivables, scoring the creditworthiness of payors and obligors such as insurance companies, self-insured employers, health maintenance organizations, preferred provider organizations, government agencies, and other entities sponsoring groups and individuals receiving health care benefits, collecting on receivables, securitizing receivables, managing funds, and processing and reconciling claims and payments.

32 Claims, 71 Drawing figures Exemplary Claim Number: 1
Number of Drawing Sheets: 71

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Draw Desc	Image
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☐ 46. Document ID: US 5465206 A

L1: Entry 46 of 50

File: USPT

Nov 7, 1995

US-PAT-NO: 5465206

DOCUMENT-IDENTIFIER: US 5465206 A

TITLE: Electronic bill pay system

DATE-ISSUED: November 7, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hilt; James J.	Daly City	CA	N/A	N/A
Hodges; Ron	San Ramon	CA	N/A	N/A
Pardue; Stephen W.	Half Moon Bay	CA	N/A	N/A
Powar; William L.	Palo Alto	CA	N/A	N/A

US-CL-CURRENT: 705/40; 705/42, 705/43, 705/44

ABSTRACT:

A bill pay system wherein participating consumers pay bills to participating billers through a payment network operating according to preset rules. The participating consumers receive bills from participating billers (paper/mail bills, e-mail notices, implied bills for automatic debts) which indicate an amount, and a unique biller identification number. To authorize a remittance, a consumer transmits to its bank (a participating bank) a bill pay order indicating a payment date, a payment amount, the consumer's account number with the biller, a source of funds and the biller's biller identification number, either directly or by reference to static data containing those data elements. Bank C then submits a payment message to a payment network, and the payment network, which assigns the biller reference numbers, forwards the payment message to the biller's bank. For settlement, the consumer's bank debits the consumer's account and is obligated to a net position with the payment network; likewise, the biller's bank receives a net position from the payment network and credits the biller's bank account. If the consumer's bank agrees to send non-reversible payment messages, the consumer's bank does not submit the transaction until funds are good unless the consumer's bank is willing to take the risk of loss if funds are not good, in the case of a guaranteed payment network. The biller's bank, upon receipt of the payment message, releases the funds to the biller, and provides A/R data to biller in a form which biller B has indicated, the form being one which does not have to be treated as an exception item to the biller. The biller's bank is assured of payment by the payment network, unless the transaction is a reversible transaction according to the preset rules of the payment network. In specific embodiments, the consumer initiates the bill pay orders manually, via paper at an ATM, via PC, or via telephone keypad.

30 Claims, 12 Drawing figures Exemplary Claim Number: 1

Number of Drawing Sheets: 12

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 47. Document ID: US 5321840 A

L1: Entry 47 of 50

File: USPT

Jun 14, 1994

US-PAT-NO: 5321840

DOCUMENT-IDENTIFIER: US 5321840 A

TITLE: Distributed-intelligence computer system including remotely reconfigurable, telephone-type user terminal

DATE-ISSUED: June 14, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ahlin; Leo	Ontario	N/A	N/A	CAX
Kawan; Joseph C.	Hollywood	CA	N/A	N/A

US-CL-CURRENT: 717/11; 710/10, 713/100

ABSTRACT:

An improved user terminal specifically designed for use in the home for accessing a wide variety of service computers is disclosed. The terminal comprises a single board computer including a microprocessor remotely reconfigurable programmable gate array logic, several types of solid-state memory, and various input-output units. The programmable gate array forms the logical connection between the microprocessor, the memory, and the input-output elements, and allows the computer to functionally mimic an IBM Personal Computer, thus allowing it to run a wide variety of software. The programmable gate array can be remotely reconfigured, and a so-called FLASH-EPROM memory is used to store reconfiguration code. This allows the hardware to be reconfigured remotely in order to add additionally function, or to cure a particular problem such as to prevent a "virus" or the like from attacking the system.

19 Claims, 2 Drawing figures Exemplary Claim Number: 1
Number of Drawing Sheets: 2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	RWC	Draw Desc	Image
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☐ 48. Document ID: US 5287537 A

L1: Entry 48 of 50

File: USPT

Feb 15, 1994

US-PAT-NO: 5287537

DOCUMENT-IDENTIFIER: US 5287537 A

TITLE: Distributed processing system having plural computers each using identical retaining information to identify another computer for executing a received command

DATE-ISSUED: February 15, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Newmark; Rona J.	Northboro	MA	N/A	N/A
Alicandro; Rosemarie	Millbury	MA	N/A	N/A
Bixby; Peter C.	Northboro	MA	N/A	N/A
Burn; Donald D.	Westboro	MA	N/A	N/A
Enberg; Eric H.	Westboro	MA	N/A	N/A
Marino; Paul K.	Hopkinton	MA	N/A	N/A
Woodbury; Paul W.	Hopkinton	MA	N/A	N/A

US-CL-CURRENT: 712/29

ABSTRACT:

A distributed computer system having a plurality of digital computer systems interconnected by a bus. Each digital computer system runs one or more programs. When it receives a command directed to a system device or a program, it determines whether it can fulfill the command. If not, it determines which one of the other digital computer systems can fulfill the command based upon retaining information stored locally and forwards the command to the other digital computer system.

2 Claims, 162 Drawing figures Exemplary Claim Number: 1
Number of Drawing Sheets: 122

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KOMC	Draw Desc	Image
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☐ 49. Document ID: US 5261069 A

L1: Entry 49 of 50

File: USPT

Nov 9, 1993

US-PAT-NO: 5261069

DOCUMENT-IDENTIFIER: US 5261069 A

TITLE: Method of maintaining consistency of cached data in a database system

DATE-ISSUED: November 9, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wilkinson; W. Kevin	Sunnyvale	CA	N/A	N/A
Neimat; Marie-Anne	Atherton	CA	N/A	N/A

US-CL-CURRENT: 711/145; 707/8

ABSTRACT:

A method of maintaining the consistency of cached data in a client-server database system. Three new locks--a cache lock, a pending lock and an out-of-date lock--are added to a two-lock concurrency control system. A new long-running envelope transaction holds a cache lock on each object cached by a given client. A working transaction of the client works only with the cached object until commit time. If a second client's working transaction acquires an "X" lock on the object the cache lock is changed to a pending lock; if the transaction thereafter commits the pending lock is changed to an out-of-date lock. If the first client's working transaction thereafter attempts to commit, it waits for a pending lock to change; it aborts if it encounters an out-of-date lock; and otherwise it commits.

17 Claims, 8 Drawing figures Exemplary Claim Number: 1

Number of Drawing Sheets: 8

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	FIGS	Draw Desc	Image
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☐ 50. Document ID: US 5220501 A

L1: Entry 50 of 50

File: USPT

Jun 15, 1993

US-PAT-NO: 5220501

DOCUMENT-IDENTIFIER: US 5220501 A

TITLE: Method and system for remote delivery of retail banking services

DATE-ISSUED: June 15, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lawlor; Matthew P.	Washington	DC	N/A	N/A
Carmody; Timothy E.	McLean	VA	N/A	N/A

US-CL-CURRENT: 705/40; 379/93, 18, 380/29, 705/42, 705/43, 705/70, 705/77, 902/24

ABSTRACT:

A practical system and method for the remote distribution of financial services (e.g., home banking and bill-paying) involves distributing portable terminals to a user base. The terminals include a multi-line display, keys "pointer to" lines on the display, and additional keys. Contact is established between the terminals and a central computer operated by a service provider, preferably over a dial-up telephone line and a packet data network. Information exchange between the central computer and the terminal solicits information from the terminal user related to requested financial services (e.g., for billpaying, the user provides payee selection and amount and his bank account PIN number). The central computer then transmits a message over a conventional ATM network debiting the user's bank account in real time, and may pay the specified payees the specified amount electronically or in other ways as appropriate. Payments and transfers may be scheduled in advance or on a periodic basis. Because the central computer interacts with the user's bank as a standard POS or ATM network node, no significant software changes are required at the banks' computers. The terminal interface is extremely user-friendly and incorporates some features of standard ATM user interfaces so as to reduce new user anxiety.

51 Claims, 50 Drawing figures Exemplary Claim Number: 1
 Number of Drawing Sheets: 44

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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Terms	Documents
(5933816 5930764 6021202 5892900 5917912 5910987 5915019 5949876 5982891 6112181 5999908 6141653 5220501 5870724 5866889 6131810 5966695 6061665 6055514 5901214 6058179 6023684 5613012 5805719 5550734 5704044 6064988 6029150 5844218 5838812 5701400 5729594 5572572 5920847 5983208 5963925 5905908 5742845 5898838 5570465 6026379 5878403 5956700 5649117 6072870 5287537 5321840 5465206 5261069 6061791).dwku.	50

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Current Search: S2: (touch point) [COMB] docs: 38 occ: 96

	Serial Number	Reg. Number	Word Mark	Live/Dead Indicator
1	78039972		TOUCHPOINT TECHNOLOGIES	LIVE
2	78009411		SELF SERVICE TOUCHPOINTS	LIVE
3	78009409		NCR SELF SERVICE TOUCHPOINTS	LIVE
4	76184756		TOUCHPOINT	LIVE
5	76153704		TOUCHPOINT COMPLETE	LIVE
6	76152140		TOUCHPOINT SELECT	LIVE
7	76152131		TOUCHPOINT PREFERRED	LIVE
8	76064610		MULTI TOUCH POINT VIEW	LIVE
9	76055528		TOUCHPOINT	LIVE
10	76041406		SPRINT PCS TOUCHPOINT	LIVE
11	75911482		TOUCHPOINT SOLUTIONS	LIVE
12	75796349		TOUCHPOINTE	DEAD
13	75926922		UNIVERSAL TOUCHPOINT	LIVE
14	75380605		SMART TOUCHPOINTS	DEAD
15	75628710		TOUCHPOINT	LIVE
16	75689301		TOUCHPOINT HEALTH PLAN	LIVE
17	75919487		TOUCHPOINT SYSTEMS	LIVE
18	75887265		TOUCHPOINT MEDIA	LIVE
19	75837422		TOUCHPOINTS	LIVE
20	75667100		TOUCHPOINT	DEAD

21	75620553		R2 TOUCHPOINT	DEAD
22	75572202		ITP	DEAD
23	75566392		TOUCHPOINTS	DEAD
24	75505515		TOUCHPOINT	DEAD
25	75439630		TOUCH-POINT	DEAD
26	75212142	2229443	TOUCHPOINT	LIVE
27	75212141			LIVE
28	75168106		3 POINT TOUCH DOWN	DEAD
29	75067274		TOUCH POINT	DEAD
30	75066097		TOUCHPOINTS	DEAD
31	75029279	2045127	TOUCHPOINT	LIVE
32	74655139	1957901	TOUCHPOINT	LIVE
33	74616203	2134761	TOUCH POINT	LIVE
34	74577784	1966324	TOUCH POINT ANALYSIS	LIVE
35	74419262	1921181	TOUCHPOINTS	LIVE
36	74340063		TOUCHPOINT	DEAD
37	74027359	1624239	TOUCHPOINT TECHNOLOGIES	DEAD
38	73396958	1292795	TOUCH POINT	DEAD

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Current Search: S4: (citibank)[OW] docs: 154 occ: 164

	Serial Number	Reg. Number	Word Mark	Live/Dead Indicator
1	76147075		CITISHARE	LIVE
2	76051874		MOBE	LIVE
3	76051873		ICEWAND	LIVE
4	75819969	2424893	HUNTAWAY	LIVE
5	75868331		NOW	LIVE
6	75867833		NETWORK OF THE WORLD AND NOW	LIVE
7	75665968	2324315	ISLAND CONNOISSEUR	LIVE
8	75819973		STONELEIGH	LIVE
9	75868535	2408578	EQUITY BOOSTER	LIVE
10	75819971		COTTAGE BLOCK	LIVE
11	75819970		CORBANS	LIVE
12	75704139		NOW NETWORK OF THE WORLD	LIVE
13	75684878		NOW	LIVE
14	75665714	2361846	COLOMBIAN EMERALDS INTERNATIONAL	LIVE
15	75665713		DUTYFREE.COM	LIVE
16	75624022		AUTOSAVE	LIVE
17	75299563	2185668	ALPHA BETA CENTAURI	LIVE
18	75263460		DIRECT ACCESS AT YOUR SERVICE	DEAD
19	75263458		BUSINESS ACCESS AT YOUR SERVICE	DEAD
20	75175373	2123254	CENTAURI	LIVE

21	75139436	2206357	THE PERFECT TIME FOR	LIVE
22	75126793	2200179	BIOCHECK	LIVE
23	75126690	2184619	BIOCHECK	LIVE
24	74392304	1849734	INVESTMENT SOURCE ACCOUNT	LIVE
25	74672205		FAMILY FUND	DEAD
26	74653335		REWARDS EXPRESS	DEAD
27	74637446	1971106	LTD	LIVE
28	74637437	1971105	LEASE TERMINATION DYNAMICS	LIVE
29	74606143		MUSIC-GRAM	DEAD
30	74591944	1970954	SARKU JAPAN	LIVE
31	74584813	1925429	BIG IDEAS FOR SMALL BUSINESS	LIVE
32	74465693	1872796	CHECKFINDER	LIVE
33	74385554	1905358	FXLINK	LIVE
34	74345608	1830314	WORLD WALLET	LIVE
35	74174759	1688112	LOWER YOUR I.R.S. I.O.U.	DEAD
36	74151655		EXTENSIONS	DEAD
37	74095916		GOOD EARTH	DEAD
38	74074424		CUSTOM CLASS	DEAD
39	74056348	1655836	DON'T SETTLE FOR LESS	DEAD
40	74045123		PRIORITY SERVICES	DEAD
41	74045122	1634360	PS	DEAD
42	74030629		GENIUS	DEAD
43	74020253		SUCCEED	DEAD
44	74018938	1657797	TODAY'S FINANCIAL IDEAS FOR TOMORROW'S SUCCESS	DEAD
45	73171750	1126079	CITIQUOTE	DEAD
46	73050940	1119396		DEAD
47	73051808	1065031	CIVILIAN RADIO MOTOR PATROL DIRECT CONTACT WITH YOUR POLICE DEPT. SPONSERED BY CITIBANK	DEAD
48	73838832	1640799	TNE TRANSNAVE THE NATIONAL LINE OF ECUADOR	DEAD
49	73757780	1566492	PROSPECTS PLUS	DEAD
50	73704489	1504274	WHEN, WHERE AND HOW TO SUCCEED	DEAD

File 15:ABI/Inform(R) 1971-2001/Jan 29
 (c) 2001 Bell & Howell
 File 88:Gale Group Business A.R.T.S. 1976-2001/Jan 29
 (c) 2001 The Gale Group
 File 635:Business Dateline(R) 1985-2001/Jan 29
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 File 9:Business & Industry(R) Jul/1994-2001/Jan 26
 (c) 2001 Resp. DB Svcs.
 File 13:BAMP 2001/Jan W3
 (c) 2001 Resp. DB Svcs.
 File 810:Business Wire 1986-1999/Feb 28
 (c) 1999 Business Wire
 File 610:Business Wire 1999-2001/Jan 29
 (c) 2001 Business Wire.
 File 647:CMP Computer Fulltext 1988-2001/Jan W4
 (c) 2001 CMP
 File 275:Gale Group Computer DB(TM) 1983-2001/Jan 24
 (c) 2001 The Gale Group
 File 674:Computer News Fulltext 1989-2000/Nov W4
 (c) 2000 IDG Communications
 File 696:DIALOG Telecom. Newsletters 1995-2001/Jan 28
 (c) 2001 The Dialog Corp.
 File 98:General Sci Abs/Full-Text 1984-2001/Dec
 (c) 2001 The HW Wilson Co.
 File 583:Gale Group Globalbase(TM) 1986-2001/Jan 29
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 (c) 2001 The Gale Group
 File 570:Gale Group MARS(R) 1984-2001/Jan 26
 (c) 2001 The Gale Group
 File 239:Mathsci 1940-2001/Feb
 (c) 2001 American Mathematical Society
 File 624:McGraw-Hill Publications 1985-2001/Jan 25
 (c) 2001 McGraw-Hill Co. Inc
 File 621:Gale Group New Prod.Annou.(R) 1985-2001/Jan 26
 (c) 2001 The Gale Group
 File 636:Gale Group Newsletter DB(TM) 1987-2001/Jan 26
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 File 369:New Scientist 1994-2001/Jan W2
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 (c) 2001 PR Newswire Association Inc
 File 16:Gale Group PROMT(R) 1990-2001/Jan 26
 (c) 2001 The Gale Group
 File 160:Gale Group PROMT(R) 1972-1989
 (c) 1999 The Gale Group
 File 141:Readers Guide 1983-2001/Dec
 (c) 2001 The HW Wilson Co
 File 634:San Jose Mercury Jun 1985-2001/Jan 26
 (c) 2001 San Jose Mercury News
 File 370:Science 1996-1999/Jul W3
 (c) 1999 AAAS
 File 148:Gale Group Trade & Industry DB 1976-2001/Jan 26
 (c)2001 The Gale Group
 File 553:Wilson Bus. Abs. FullText 1982-2001/Dec
 (c) 2001 The HW Wilson Co

Set	Items	Description
S1	1	AU=ZEANAH, J?
S2	0	AU=ZEANAH J?
S3	3508	AU=ABBOTT, C?
S4	0	AU=ABBOTT C?

S5	7070755	FINANCIAL?
S6	16	S3 AND S5
S7	16	RD (unique items)
S8	0	AU=BOYD N?
S9	126	AU=BOYD, N?
S10	8	S9 AND S5
S11	8	S10 NOT (S1 OR S3)
S12	5	RD (unique items)
S13	5416	AU=COHEN, A?
S14	322	S5 AND S13
S15	322	S14 NOT (S1 OR S3 OR S9)
S16	4536037	DELIVER? OR ATM? ? OR AUTOMATIC()TELLER()MACHINE?
S17	52	S15 AND S16
S18	34	RD (unique items)
S19	3749	AU=COOK, J?
S20	484	S19 AND S5
S21	484	S20 NOT (S1 OR S3 OR S9 OR S13)
S22	73	S16 AND S21
S23	40	RD (unique items)
S24	11	AU=GRANDCOLAS, M?
S25	8	RD (unique items)
S26	41	AU=LAN, S?
S27	1	S26 AND S5
S28	5	AU=LINDSLEY, B?
S29	5	RD (unique items)
S30	7	AU=MARKARIAN, G?
S31	3	RD (unique items)
S32	3483	AU=MOSS, L?
S33	537	S5 AND S32
S34	106	S33 AND S16
S35	77	S34 NOT PY=2000:2001
S36	77	S35 NOT (S1 OR S3 OR S9 OR S13 OR S19 OR S24 OR S26 OR S28 OR S30)
S37	6392094	WEB? OR WWW OR WORLD()WIDE()WEB?
S38	14	S36 AND S37

1/3,AB/1 (Item 1 from File: 275)
DIALOG(R) File 275:Gale Group Computer DB(TM)
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01699583 SUPPLIER NUMBER: 16227780 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Axcelis Evolver 2.1. (genetic algorithm package from Axcelis Inc) (Software Review) (Evaluation)
Zeanah, Jeff
AI Expert, v9, n9, p22(2)
Sept, 1994
DOCUMENT TYPE: Evaluation ISSN: 0888-3785 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1163 LINE COUNT: 00094

ABSTRACT: Axcelis Inc's \$349 Evolver 2.1 is a genetic algorithm (GA) package that is easiest to use as an add-in program for the Excel spreadsheet. GAs are problem-solving techniques modeled on the principles of genetics and natural selection. The possible solutions to a problem are evaluated by a 'fitness function.' The solution's parameters are referred to as 'genes', while the collection of solutions is labeled the 'population'. The collection of values containing the various solutions is considered the 'gene pool'. The population is ranked according to how well it satisfies the fitness function; the best solutions survive to the next generation. The gene pool expands through mutations. Evolver's documentation provides a good introduction to GAs. Most problems can be solved through the use of one of six predefined methods and the software includes eight example problems.

7/3,AB/1 (Item 1 from file: 484)
DIALOG(R)File 484:Periodical Abstracts Plustext
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04932809 SUPPLIER NUMBER: 64601991
Stock Market Wizards: Interviews with America's Top Stock Traders
Rotella, Mark; Abbott, Charlotte ; Gold, Sarah F
Publishers Weekly (GPUB), v247 n47, p57-58, p.2
Nov 20, 2000
ISSN: 0000-0019 JOURNAL CODE: GPUB
DOCUMENT TYPE: Book Review-Favorable
LANGUAGE: English RECORD TYPE: Abstract

ABSTRACT: STOCK MARKET WIZARDS: Interviews with America's Top Stock Traders JACK D. SCHWAGER. HarperBusiness, \$28 (3520) ISBN 0-06-662058-9 In 1989, professional futures trader Schwager wrote the electrifying Market Wizards, featuring incisive interviews with some of the world's most successful traders, discussion of a wide variety of techniques and markets, and a detailed chronicle of various traders' track records. It quickly became a bestseller.

7/3,AB/2 (Item 2 from file: 484)
DIALOG(R)File 484:Periodical Abstracts Plustext
(c) 2001 Bell & Howell. All rts. reserv.

04913932 SUPPLIER NUMBER: 65199937
52 Weeks to Financial Fitness: The Week-by-Week Plan for Making Your Money Grow
Rotella, Mark; Abbott, Charlotte ; Gold, Sarah F
Publishers Weekly (GPUB), v247 n49, p61
Dec 4, 2000
ISSN: 0000-0019 JOURNAL CODE: GPUB
DOCUMENT TYPE: Book Review-Mixed
LANGUAGE: English RECORD TYPE: Abstract

ABSTRACT: Rotella reviews "52 Weeks to Financial Fitness: The Week-by-Week Plan for Making Your Money Grow" by Marshall Loeb.

7/3,AB/3 (Item 3 from file: 484)
DIALOG(R)File 484:Periodical Abstracts Plustext
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04891312 SUPPLIER NUMBER: 63603356
Rich Dad's Rich Kid, Smart Kid: Giving Your Children a Financial Headstart
Rotella, Mark; Abbott, Charlotte ; Gold, Sarah F
Publishers Weekly (GPUB), v247 n45, p77, p.1
Nov 6, 2000
ISSN: 0000-0019 JOURNAL CODE: GPUB
DOCUMENT TYPE: Book Review-Mixed
LANGUAGE: English RECORD TYPE: Abstract

ABSTRACT: Rich Dad's Rich Kid, Smart Kid: Giving Your Children a Financial Headstart" by Robert T. Kiyosaki with contributions by Sharon L. Lechter is reviewed.

7/3,AB/4 (Item 4 from file: 484)
DIALOG(R)File 484:Periodical Abstracts Plustext
(c) 2001 Bell & Howell. All rts. reserv.

04886051 SUPPLIER NUMBER: 63109328
Darkness in El Dorado: How Scientists and Journalists Devastated the Amazon
Rotella, Mark; Abbott, Charlotte ; Gold, Sarah
Publishers Weekly (GPUB), v247 n44, p66, p.1

Oct 30, 2000

ISSN: 0000-0019

JOURNAL CODE: GPUB

DOCUMENT TYPE: Book Review-Favorable

LANGUAGE: English

RECORD TYPE: Abstract

ABSTRACT: This book, already nominated for a National Book Award, details the tragic encounter between an archaic Amazon people, the Yanomami, and what's depicted as a culturally toxic conglomeration of ruthless social scientists, rapacious **financial** interests, amoral governments and pop-culture journalists. [PATRICK TIERNEY] (The HighestAltar) argues for an end to the arrogant exploitation of peoples outside of the classical Eurasian traditions.

7/3,AB/5 (Item 5 from file: 484)

DIALOG(R)File 484:Periodical Abstracts Plustext

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04886016 SUPPLIER NUMBER: 63108866

John Bogle on Investing: The First 50 Years

Rotella, Mark; **Abbott, Charlotte** ; Gold, Sarah

Publishers Weekly (GPUB), v247 n44, p58, p.1

Oct 30, 2000

ISSN: 0000-0019

JOURNAL CODE: GPUB

DOCUMENT TYPE: Book Review-Mixed

LANGUAGE: English

RECORD TYPE: Abstract

ABSTRACT: Rotella et al review "John Bogle in Investing: The First 50 Years" by John Bogle.

7/3,AB/6 (Item 6 from file: 484)

DIALOG(R)File 484:Periodical Abstracts Plustext

(c) 2001 Bell & Howell. All rts. reserv.

04864717 SUPPLIER NUMBER: 62361157

The Message Of The Markets: How Financial Markets Foretell the Future--and How You Can Profit from Their Guidance

Rotella, Mark; **Abbott, Charlotte** ; Gold, Sarah F

Publishers Weekly (GPUB), v247 n39, p100, p.1

Sep 25, 2000

ISSN: 0000-0019

JOURNAL CODE: GPUB

DOCUMENT TYPE: Book Review-Mixed

LANGUAGE: English

RECORD TYPE: Abstract

ABSTRACT: THE MESSAGE OF THE MARKETS: How **Financial** Markets Foretell the Future-and How You Can Profit from Their Guidance RON INSANA. HarperBusiness, \$25 (1940 ISBN 0-06-662045-7

7/3,AB/7 (Item 7 from file: 484)

DIALOG(R)File 484:Periodical Abstracts Plustext

(c) 2001 Bell & Howell. All rts. reserv.

04844750 SUPPLIER NUMBER: 60255224

The Case for Marriage: Why Married People are Happier, Healthier and Better Off Financially

Rotella, Mark; **Abbott, Charlotte** ; Gold, Sarah F

Publishers Weekly (GPUB), v247 n37, p81-82, p.2

Sep 11, 2000

ISSN: 0000-0019

JOURNAL CODE: GPUB

DOCUMENT TYPE: Book Review-Mixed

LANGUAGE: English

RECORD TYPE: Abstract

ABSTRACT: THE CASE FOR MARRIAGE: Why Married People Are Happier, Healthier and Better Off **Financially** LINDA J. WAITE AND MAGGIE GALLAGHER. Doubleday, \$24.95 (272p) ISBN 0-38550085-8

7/3,AB/8 (Item 8 from file: 484)
DIALOG(R)File 484:Periodical Abstracts Plustext
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04837636 SUPPLIER NUMBER: 59208273
The Fortune Tellers: Inside Wall Street's Game of Money, Media and Manipulation
Rotella, Mark; **Abbott, Charlotte** ; Gold, Sarah
Publishers Weekly (GPUB), v247 n35, p67, p.1
Aug 28, 2000
ISSN: 0000-0019 JOURNAL CODE: GPUB
DOCUMENT TYPE: Book Review-Favorable
LANGUAGE: English RECORD TYPE: Abstract

ABSTRACT: The Fortune Tellers: Inside Wall Street's Game of Money, Media and Manipulation. Howard Kurtz. ISBN 0-684-86879-2

7/3,AB/9 (Item 9 from file: 484)
DIALOG(R)File 484:Periodical Abstracts Plustext
(c) 2001 Bell & Howell. All rts. reserv.

04784364 SUPPLIER NUMBER: 55603790
Millionaire: John Law, Philanderer, Gambler, Killer--and the Father of Modern Finance
Rotella, Mark; **Abbott, Charlotte** ; Gold, Sarah
Publishers Weekly (GPUB), v247 n25, p66-67, p.2
Jun 19, 2000
ISSN: 0000-0019 JOURNAL CODE: GPUB
DOCUMENT TYPE: Book Review-Favorable
LANGUAGE: English RECORD TYPE: Abstract

ABSTRACT: JANET GLEESON. Simon e56 Schuster, \$24 (3040 ISBN 0-684-87295-1
Gleeson's riveting biography of Law shows that market speculation was not invented with the advent of Internet startups, but has a history that goes at least as far back as the beginning of the yoos, when Law's **financial** innovations made ordinary citizens rich beyond their wildest dreams.

7/3,AB/10 (Item 10 from file: 484)
DIALOG(R)File 484:Periodical Abstracts Plustext
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04703682 SUPPLIER NUMBER: 51649597
Monkey Business: Swinging Through the Wall Street Jungle
Abbott, Charlotte ; Gold, Sarah F; Rotella, Mark
Publishers Weekly (GPUB), v247 n12, p79, p.1
Mar 20, 2000
ISSN: 0000-0019 JOURNAL CODE: GPUB
DOCUMENT TYPE: Book Review-Unfavorable
LANGUAGE: English RECORD TYPE: Abstract

ABSTRACT: Abbott reviews "Monkey Business: Swinging Through the Wall Street Jungle" by John Rolfe and Peter Troob.

7/3,AB/11 (Item 11 from file: 484)
DIALOG(R)File 484:Periodical Abstracts Plustext
(c) 2001 Bell & Howell. All rts. reserv.

04504969
The Savage Truth About Money
Bing, Jonathan; Zaleski, Jeff; Gediman, Paul; **Abbott, Charlotte**
Publishers Weekly (GPUB), v246 n39, p90-91, p.2
Sep 27, 1999
ISSN: 0000-0019 JOURNAL CODE: GPUB
DOCUMENT TYPE: Book Review-Favorable

LANGUAGE: English

RECORD TYPE: Abstract

ABSTRACT: "The Savage Truth About Money" by Terry Savage is reviewed.

7/3,AB/12 (Item 12 from file: 484)

DIALOG(R)File 484:Periodical Abstracts Plustext
(c) 2001 Bell & Howell. All rts. reserv.

04356985

Money, Greed, and Risk: Why Financial Crises and Crashes Happen

Bing, Jonathan; Zaleski, Jeff; Gediman, Paul; **Abbott, Charlotte**

Publishers Weekly (GPUB), v246 n24, p57, p.01

Jun 14, 1999

ISSN: 0000-0019 JOURNAL CODE: GPUB

DOCUMENT TYPE: Book Review-Favorable

LANGUAGE: English RECORD TYPE: Abstract

ABSTRACT: Money, Greed and Risk: Why **Financial** Crises and Crashes Happen" by Charles R. Morris is reviewed.

7/3,AB/13 (Item 13 from file: 484)

DIALOG(R)File 484:Periodical Abstracts Plustext
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04274174

Devil Take the Hindmost: A History of Financial Speculation

Bing, Jonathan; **Abbott, Charlotte** ; Zaleski, Jeff; Gediman, Paul

Publishers Weekly (GPUB), v246 n18, p56, p.01

May 3, 1999

ISSN: 0000-0019 JOURNAL CODE: GPUB

DOCUMENT TYPE: Book Review-Favorable

LANGUAGE: English RECORD TYPE: Abstract

ABSTRACT: Devil Take the Hindmost: A History of **Financial** Speculation," by Edward Chancellor, is reviewed.

7/3,AB/14 (Item 14 from file: 484)

DIALOG(R)File 484:Periodical Abstracts Plustext
(c) 2001 Bell & Howell. All rts. reserv.

04184802

Everything You Know About Money is Wrong: Overcome the Financial Myths Keeping You from the Life You Want

Bing, Jonathan; Zaleski, Jeff; Gediman, Paul; **Abbott, Charlotte**

Publishers Weekly (GPUB), v246 n9, p55, p.01

Mar 1, 1999

ISSN: 0000-0019 JOURNAL CODE: GPUB

DOCUMENT TYPE: Book Review-Mixed

LANGUAGE: English RECORD TYPE: Abstract

ABSTRACT: Bing et al review "Everything You Know About Money is Wrong: Overcome the **Financial** Myths Keeping You from the Life You Want" by Karen Ramsey.

7/3,AB/15 (Item 15 from file: 484)

DIALOG(R)File 484:Periodical Abstracts Plustext
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04172497

Wake Up and Smell the Money: Fresh Starts at Any Age--And Any Season of Your Life

Bing, Jonathan; Zaleski, Jeff; Gediman, Paul; **Abbott, Charlotte**

Publishers Weekly (GPUB), v246 n8, p73, p.01

Feb 22, 1999

ISSN: 0000-0019 JOURNAL CODE: GPUB
DOCUMENT TYPE: Book Review-Favorable
LANGUAGE: English RECORD TYPE: Abstract

ABSTRACT: "Wake Up and Smell the Money: Fresh Starts at Any Age--And Any Season of Your Life" by Ginger Applegarth with Leslie Whitaker.

7/3,AB/16 (Item 16 from file: 484)
DIALOG(R)File 484:Periodical Abstracts Plustext
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01926813

Goodbye Mr Chips
Abbott, Chris

Times Educational Supplement (ITES), n4058, pSS15
Apr 8, 1994

ISSN: 0040-7887 JOURNAL CODE: ITES
DOCUMENT TYPE: Commentary
LANGUAGE: English RECORD TYPE: Abstract
LENGTH: Medium (10-30 col inches)

ABSTRACT: Legislation and events leading to the closure of the Inner London Educational Computing Centre are discussed. UK legislation repeatedly conflicted with the requirement that the center prove its worth by generating income.

12/3,AB/1 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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01381055 00-32042

Competition, cooperation, and the search for economic rents: A syncretic model

Lado, Augustine, A; **Boyd, Nancy G** ; Hanlon, Susan C
Academy of Management Review v22n1 PP: 110-141 Jan 1997 ISSN: 0363-7425
JRNL CODE: AMR
WORD COUNT: 12640

ABSTRACT: The notion of syncretic rent-seeking behavior is proposed to explain how firms generate economic rents through competition and cooperation. Previously, competition and cooperation have been viewed largely as opposite ends of a single continuum. By conceptualizing competition and cooperation as distinct but interrelated dimensions, the analysis develops a 4-cell typology of rent-seeking strategic behaviors. Propositions linking syncretic rent-seeking behavior, organizational competencies, and business performance are offered to guide future theory development and research efforts.

12/3,AB/2 (Item 1 from file: 88)
DIALOG(R)File 88:Gale Group Business A.R.T.S.
(c) 2001 The Gale Group. All rts. reserv.

04551002 SUPPLIER NUMBER: 19689403 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Olson's 'faint-hope' review: two sides. (convicted serial murderer Clifford Olson's hearing for early parole) (Cover Story)
Ramsay, Jack; **Boyd, Neil**
Maclean's, v110, n33, p20(2)
August 18, 1997
DOCUMENT TYPE: Cover Story ISSN: 0024-9262 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 568 LINE COUNT: 00043

ABSTRACT: Two authors argue the pros and cons of allowing convicted serial murderer Clifford Olson to have an early-release hearing. The first author says the hearing will hurt the victims' families and the law should be revised. The second author contends that the rule of law applies to all, even notorious criminals.

12/3,AB/3 (Item 1 from file: 75)
DIALOG(R)File 75:TGG Management Contents(R)
(c) 2001 The Gale Group. All rts. reserv.

00147417 SUPPLIER NUMBER: 12508586
The professionalization of fraud auditing.
Rezaee, Zabihollah; **Boyd, Nancy**
Internal Auditing, v7, n3, p19(8)
Wntr, 1992
ISSN: 0897-0378 LANGUAGE: English RECORD TYPE: Abstract

ABSTRACT: The increased incidence and complexity of fraud has led to the development of the fraud auditing practice and its certification. Certified fraud examiners (CFEs) deal with fraud charges, secure and assess evidence, prepare **financial** statements and reports, attest to findings and help discover and prevent fraud. The National Association of Fraud Examiners' code of ethics and standards, the standards' strengths and weaknesses and the problems encountered in fraud auditing are discussed. However, CFEs are advised that the most important factors in fraud detection are not guidelines or standards but an intensive knowledge of various types of fraud and how to execute them.

12/3,AB/4 (Item 2 from file: 75)
DIALOG(R)File 75:TGG Management Contents(R)
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00135313 SUPPLIER NUMBER: 08280344

New pension laws: problems or solutions?

Dawkins, Sarah C.; Boyd, Nancy G.

The Woman CPA, v52, n1, p4(3)

Wntr, 1990

ISSN: 0043-7271 LANGUAGE: English RECORD TYPE: Abstract

ABSTRACT: The Pension Reform Act of 1987 has resulted in several new bills being introduced which are designed to protect employee pension benefits from employers attempting to reduce costs or obtain capital in times of **financial** need, and from employees failing to provide continued coverage when changing jobs. The **Financial** Accounting Standards Board (FASB) also has released statements regarding the treatment of pensions. Currently, employers may drop pension plans that require all assets to be used for the benefit of the employee, and take control of the funds. When employees quit a job, they can receive a lump-sum payment for the vested pension amount. The employees often do not reinvest the money in another retirement plan. The proposed laws would prohibit companies from assuming control of the assets of a terminated pension program, and require lump-sum pension payments to be transferred to a new employer to ensure a retirement fund when the employee retires.

12/3,AB/5 (Item 1 from file: 484)
DIALOG(R)File 484:Periodical Abstracts Plustext
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02588654 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Violence in the workplace in British Columbia: A preliminary investigation

Boyd, Neil

Canadian Journal of Criminology (PCJC), v37 n4, p491-519

Oct 1995

ISSN: 0704-9722 JOURNAL CODE: PCJC

DOCUMENT TYPE: Feature

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 7587

LENGTH: Long (31+ col inches)

ABSTRACT: The problem of violence in the workplace within British Columbia Canada during the period 1982-92 is examined using provincial Workers' Compensation Board claims during this period as a primary data base.

18/3,AB/1 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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02098039 65194341

AICPA accounting and review services committee issues SSARS No. 8

Cohen, Andrew M

CPA Journal v70n11 PP: 52-54 Nov 2000 ISSN: 0732-8435 JRNL CODE: CPA
WORD COUNT: 1430

ABSTRACT: The AICPA Accounting and Review Services Committee recently issued an amendment to the original Statement on Standards for Accounting and Review Services, SSARS No. 8, Amendment to SSARS No. 1, Compilation and Review of **Financial** Statements. The most significant change pertains to the definition of "submission." The committee determined that a definition of submission that established a "bright line" rule covering all circumstances surrounding submission was not possible.

18/3,AB/2 (Item 2 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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02009283 52569242

Global economies

Cohen, Amon

Supply Management v5n5 PP: 24-27 Mar 9, 2000 ISSN: 1362-2021
JRNL CODE: SMT
WORD COUNT: 2156

ABSTRACT: Some companies are wobbling on travel because of the fear of upsetting staff. With company cars and parking spaces, travel makes up the trinity of personnel issues that employees hold irrationally close to their bosoms. The issue is further clouded by the eccentric relationship between airlines, travel agents and clients. Whatever their reasons, those companies not attempting to control travel purchasing are missing a major trick. The cost of a business-class seat to New York has risen by half in the past six years. Over the same period, hotels in cities of high demand have witnessed increases of more than 10% in most years. The price rises have slowed over the past 18 months, but the travel market will continue to grow because the number of trips is also on the increase. The reason for the growing number of business trips is globalization.

18/3,AB/3 (Item 3 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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01996441 50396695

AICPA committee issues important exposure drafts

Cohen, Andrew M

CPA Journal v70n2 PP: 9 Feb 2000 ISSN: 0732-8435 JRNL CODE: CPA
WORD COUNT: 868

ABSTRACT: In December, the AICPA's Accounting and Review Services Committee issued 2 important exposure drafts on Statements on Standards for Accounting and Review Services. The committee believes these 2 statements will give CPAs greater freedom in **delivering** market-driven **financial** statement services to their clients. The first ED will amend SSARS No. 1 relating to compilation engagements and will include conforming changes to other applicable SSARS and interpretations. The second ED exempts historical **financial** statements and normalized **financial** statements included in a written business evaluation from the applicability of SSARS No. 1.

18/3,AB/4 (Item 4 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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01968145 47605097

What's next?

Rasmusson, Erika; **Cohen, Andy** ; Kaydo, Chad; Peppers, Don; Et al
Sales & Marketing Management v152n1 PP: 30-53 Jan 2000 ISSN: 0163-7517
JRNL CODE: SAL
WORD COUNT: 8942

ABSTRACT: Visionaries and business leaders such as Tom Peters and Stephen Covey discuss how technology will reinvent sales, marketing and customer service.

18/3,AB/5 (Item 5 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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01767513 04-18504

Does target marketing work on the Web?

Cohen, Andy
Sales & Marketing Management v151n1 PP: 15 Jan 1999 ISSN: 0163-7517
JRNL CODE: SAL
WORD COUNT: 435

ABSTRACT: George Garrick, CEO of Flycast Communications Corp., thinks the expectations people have for the **financial** payout from targeting on the Web are overrated. Advertisers should evaluate everything on its ability to give them a better performance against their objectives.

18/3,AB/6 (Item 6 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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01345777 99-95173

Whose risk in infrastructure ventures?

Cohen, Antony ; Cunningham, Graham
Corporate Finance Isolated but Sophisticated Supplement PP: 13-15 Sep 1996 ISSN: 0958-2053 JRNL CODE: COF
WORD COUNT: 1704

ABSTRACT: Australia's Victoria state government is pursuing a heavy program of privatization in the energy industry, starting with electricity, and has instigated a raft of infrastructure projects, including the Melbourne City Link toll road. Some of the precedents that have been set in the allocation and the private sector are highlighted. Placing a new 22-kilometer toll road into and through the center of Melbourne and its transport network inevitably gave rise to arguments over risk allocation between government and private sector. In the competitive environment generated by the Victorian government it has been able to shift the goal posts in risk allocation, with reduced exposure to residual risk and a limited number of circumstances where it would need to provide **financial** compensation for the occurrence of certain risks.

18/3,AB/7 (Item 7 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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01343961 99-93357

Federal Express

Cohen, Andy

Sales & Marketing Management v148n11 PP: 50 Nov 1996 ISSN: 0163-7517

JRNL CODE: SAL

WORD COUNT: 636

ABSTRACT: When Federal Express' efforts to make a major global expansion in 1992 did not work out, the company took a **financial** hit, ending a 5-year-long streak of profitable quarters. FedEx quickly became profitable again - with international business gaining a rising share of the company's revenues. In fiscal 1996, global markets accounted for more than 27% of revenues. FedEx realized it needed regional distribution centers - along with local sales forces - in each of the overseas locations it serves. For example, the company established an intra-Asian transloading facility in 1995 to route packages in and out of the area.

18/3,AB/8 (Item 8 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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01134180 97-83574

Feeling a little overwhelmed?

Cohen, Andy

Sales & Marketing Management Road Warrior Supplement PP: 14-21 Dec 1995

ISSN: 0163-7517 JRNL CODE: SAL

WORD COUNT: 2187

ABSTRACT: Unfortunately, there is no Consumer Reports listing for sales automation vendors, nor are there resources to tell companies where they can get the best deals. Price can be determined by such factors as amount of units, features needed, and support. So when approaching vendors it is vital to have done some research into the organization in advance. Six tips for choosing a vendor are: 1. Evaluate requirements. 2. Narrow down choices. 3. Request proposals. 4. Hold face-to-face interviews. 5. Follow up on customer references. 6. Use your gut.

18/3,AB/9 (Item 9 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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00935246 95-84638

Delivering the right pitch

Cohen, Andy

Sales & Marketing Management v146n10 PP: 44 Sep 1994 ISSN: 0163-7517

JRNL CODE: SAL

WORD COUNT: 309

ABSTRACT: CommCore, a management development and communications consulting firm, offers a training program called Perfecting Pitches which is designed to help salespeople with presentations. CommCore trains salespeople on various aspects of the presentation, including voice inflection, body language, eye contact and energy.

18/3,AB/10 (Item 10 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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00847532 94-96924

United Kingdom

Pearson, Sarah; Cohen, Amanda

International Financial Law Review Derivatives Supplement PP: 29-34 Mar 1994

ISSN: 0262-6969 JRNL CODE: IFL

WORD COUNT: 2545

ABSTRACT: Recent years have witnessed the publication of a number of standard form documents for use with derivatives and other **financial** instruments traded off-exchange. The British Bankers' Association (BBA) has published standard terms for use with foreign exchange agreements, currency options, forward rate agreements and interest rate swaps. The International Swap Dealers Association Inc. (ISDA) has issued a number of new and revised standard form documents, including a revised master agreement for use with foreign exchange transactions and a variety of different swaps. These and other standard documents adopt the "single agreement" approach. Express provision is made for all transactions entered into by reference to a specific set of terms or a master agreement. The use of netting for the reduction of risk is also common in standard form documentation. The mechanics of triggering close-out (or early termination) are similar but not identical in the documentation.

18/3,AB/11 (Item 11 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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00827074 94-76466

Profitable?

Ray, Paul W; Cohen, Andrew A
Managers Magazine v69n2 PP: 14-15 Feb 1994 ISSN: 0025-1968 JRNL CODE:
MAG
WORD COUNT: 1145

ABSTRACT: The key to developing an understanding of a insurance agency's **financial** situation involves knowing the **financial** facts of the operation and then distinguishing between profitable and unprofitable expenditures, activities, business, and agents. The first step in understanding the **financial** facts is to calculate total expenses, excluding compensation and fringe benefits, as a percentage of total first-year premium. The next step is to calculate the rent expense ratio. Other expense components to consider are postage and telephone. An agency's management team should be included in the **financial** analyses and management process. If agents are detached and/or paying their own expenses, the same expense-ratio analysis process can be used to analyze agents' total and line-by-line expenses. It is recommended that first-year commissions be used as the divisor instead of premiums.

18/3,AB/12 (Item 1 from file: 88)
DIALOG(R)File 88:Gale Group Business A.R.T.S.
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04189445 SUPPLIER NUMBER: 19016993 (USE FORMAT 7 OR 9 FOR FULL TEXT)
1995 Commission on Dietetic Registration Dietetics Practice Audit.
Kane, Michael T.; Cohen, Allan S. ; Smith, Erskine R.; Lewis, Cindy;
Reidy, Christine
Journal of the American Dietetic Association, v96, n12, p1292(10)
Dec, 1996
ISSN: 0002-8223 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 6151 LINE COUNT: 00516

ABSTRACT: The 1995 Commission on Dietetic Registration Dietetics Practice Audit was designed to evaluate current practices in the field of dietetics. This practice analysis has two phases. Phase one used an Employer Survey to identify the responsibilities in the different areas of dietetics. In phase two, practitioners were asked to mark their work settings to determine the areas of activity in which they are involved. Survey data showed a strong correlation between involvement rates and work settings, and between years of service and level of responsibility. The involvement in nontraditional areas was low but showed signs of increasing in the near future.

18/3,AB/13 (Item 1 from file: 635)

DIALOG(R)File 635:Business Dateline(R)
(c) 2001 Bell & Howell. All rts. reserv.

0643176 95-99756

Gaming: The foes begin to attack

Cohen, Aaron D

Las Vegas Business Press (Las Vegas, NV, US), V12 N41 s1 p1

PUBL DATE: 951016

WORD COUNT: 1,822

DATELINE: Las Vegas, NV, US, Mountain

18/3,AB/14 (Item 1 from file: 47)

DIALOG(R)File 47:Gale Group Magazine DB(TM)

(c) 2001 The Gale group. All rts. reserv.

04786058 SUPPLIER NUMBER: 19601134 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Fore! Why do salespeople love golf? (golf as a business tool) (includes related articles)

Cohen, Andy

Sales & Marketing Management, v149, n5, p62(7)

May, 1997

ISSN: 0163-7517 LANGUAGE: English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 3659 LINE COUNT: 00269

ABSTRACT: Playing golf with prospects is a business tool used by sales professionals to identify needs and, thereupon, close a sale. Some sales personnel describe it as a better tool than cold canvassing because of the camaraderie, common interest and quality time spent with prospects.

18/3,AB/15 (Item 2 from file: 47)

DIALOG(R)File 47:Gale Group Magazine DB(TM)

(c) 2001 The Gale group. All rts. reserv.

04666954 SUPPLIER NUMBER: 19029876 (USE FORMAT 7 OR 9 FOR FULL TEXT)

The top. (25 Best Sales Forces in the US) (includes related articles) (Best Sales Force) (Cover Story)

Brewer, Geoffrey; Conlon, Ginger; Yarbrough, John F.; **Cohen, Andy** ; Marchetti, Michele; Dellecave, Tom, Jr.; Kaydo, Chad; Lucas, Allison

Sales & Marketing Management, v148, n11, p38(18)

Nov, 1996

DOCUMENT TYPE: Cover Story ISSN: 0163-7517 LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 14837 LINE COUNT: 01176

ABSTRACT: Sales and Marketing Management magazine came up with the top 25 best sales forces in America for the year 1996. A unifying characteristic of the companies that made it to the list is their ability to adapt to the constantly changing, competitive business environment. A profile of the 25 firms included in the list is presented.

18/3,AB/16 (Item 3 from file: 47)

DIALOG(R)File 47:Gale Group Magazine DB(TM)

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04540821 SUPPLIER NUMBER: 18476994 (USE FORMAT 7 OR 9 FOR FULL TEXT)

The 25 power brokers. (most influential people in sales and marketing) (Cover Story)

Brewer, Geoffrey; Dellecave, Tom, Jr.; Conlon, Ginger; Yarbrough, John; Marchetti, Michele; **Cohen, Andy** ; Lucas, Allison; Carey, Robert

Sales & Marketing Management, v148, n7, p49(11)

July, 1996

DOCUMENT TYPE: Cover Story ISSN: 0163-7517 LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 8351 LINE COUNT: 00649

ABSTRACT: Profiles of 25 people who have set the standards for sales and marketing success throughout Corporate America are presented. Ranked number-one is Coca Cola Co's chairman and CEO Robert Goizueta, who has successfully maintained the power of his company's world-renowned trademark.

18/3,AB/17 (Item 1 from file: 75)
DIALOG(R)File 75:TGG Management Contents(R)
(c) 2001 The Gale Group. All rts. reserv.

00129131 SUPPLIER NUMBER: 07107232 (USE FORMAT 7 FOR FULL TEXT)
Influence without authority: The use of alliances, reciprocity, and exchange to accomplish work.
Cohen, Allan R. ; Bradford, David L
Organizational Dynamics, v17, n3, p4(14)
Wntr, 1989
ISSN: 0090-2616 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 4689 LINE COUNT: 00441

ABSTRACT: Researchers examining the issue of influencing peers and colleagues in situations where formal authority cannot be used have created a model that is built upon social psychology principles of exchange and reciprocity. The model analysis includes: discussing the currencies that people use; establishing exchange rates; and engaging in the exchange process. The role of relationships and the nature of exchange transactions are also explored in the model analysis.

18/3,AB/18 (Item 1 from file: 484)
DIALOG(R)File 484:Periodical Abstracts Plustext
(c) 2001 Bell & Howell. All rts. reserv.

04882258 SUPPLIER NUMBER: 63070152 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Ma bell calls it splits
Cohen, Adam
Time (GTIM), v156 n19, p96-98, p.2
Nov 6, 2000
ISSN: 0040-781X JOURNAL CODE: GTIM
DOCUMENT TYPE: Feature
LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 1345

ABSTRACT: AT&T's core businesses have been in an accelerating decline. In 1984 a federal antitrust ruling forced AT&T to spin off its lucrative local phone operations, now the Baby Bells. More recently, stiff competition from WorldCom, Sprint, the Baby Bells and wireless has been driving the profit out of the longdistance business-which still accounts for as much as 65% of AT&T's more than \$62 billion in revenue.

18/3,AB/19 (Item 2 from file: 484)
DIALOG(R)File 484:Periodical Abstracts Plustext
(c) 2001 Bell & Howell. All rts. reserv.

04875234 SUPPLIER NUMBER: 62638996 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Drumming up support
Cohen, Aaron
Down Beat (GDOB), v67 n11, p18-20, p.3
Nov 2000
ISSN: 0012-5768 JOURNAL CODE: GDOB
DOCUMENT TYPE: Feature
LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 1889

ABSTRACT: Musician and composer Carlinhos Brown is profiled. One of the most sought after musicians in Brazil, Brown has brought his energy and resources back to the community as a social activist.

18/3,AB/20 (Item 3 from file: 484)
DIALOG(R)File 484:Periodical Abstracts Plustext
(c) 2001 Bell & Howell. All rts. reserv.

03993200 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Demonizing Gates

Cohen, Adam

Time (GTIM), v152 n18, p58-66, p.5

Nov 2, 1998

ISSN: 0040-781X JOURNAL CODE: GTIM

DOCUMENT TYPE: Feature

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 2794

ABSTRACT: To keep his case against Microsoft Corp simple, the Justice Department's antitrust czar Joel Klein has painted chairman Bill Gates as the Big Brother of cyberspace.

18/3,AB/21 (Item 4 from file: 484)
DIALOG(R)File 484:Periodical Abstracts Plustext
(c) 2001 Bell & Howell. All rts. reserv.

03644363 (USE FORMAT 7 OR 9 FOR FULLTEXT)

When Wall Street runs Welfare

Cohen, Adam

Time (GTIM), v151 n11, p64-65, p.2

Mar 23, 1998

ISSN: 0040-781X JOURNAL CODE: GTIM

DOCUMENT TYPE: Feature

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 1318

ABSTRACT: Reform has brought more private companies into the welfare business, but so far their record is mixed. Privatization has become one of the hottest trends as states are struggling to reinvent welfare.

18/3,AB/22 (Item 5 from file: 484)
DIALOG(R)File 484:Periodical Abstracts Plustext
(c) 2001 Bell & Howell. All rts. reserv.

03406571 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Putting his money...

Cohen, Adam

Time (GTIM), v150 n13, p32, p.1

Sep 29, 1997

ISSN: 0040-781X JOURNAL CODE: GTIM

DOCUMENT TYPE: Feature

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 1159

ABSTRACT: At a UN Association dinner in New York City last week, media mogul Ted Turner announced that over ten years he will give \$1 billion to fund UN programs. Turner's is the largest donation ever made to a single organization.

18/3,AB/23 (Item 6 from file: 484)
DIALOG(R)File 484:Periodical Abstracts Plustext
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02851814 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Cairo, Dimona, and the June 1967 War

Cohen, Avner

Middle East Journal (GMEJ), v50 n2, p190-210

Spring 1996
ISSN: 0026-3141 JOURNAL CODE: GMEJ
DOCUMENT TYPE: Feature
LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 12169 LENGTH: Long (31+ col inches)

ABSTRACT: The Jun 1967 war between Israel and the Arab states of Egypt and Syria had important nuclear aspects. While not a causative factor, the nuclear question played an important role in the evolution of the crisis on both sides. New and little-known Israeli sources suggest that Israel had developed a nuclear capability at its Dimona site on the eve of the war.

18/3,AB/24 (Item 7 from file: 484)
DIALOG(R)File 484:Periodical Abstracts Plustext
(c) 2001 Bell & Howell. All rts. reserv.

02840792 (USE FORMAT 7 OR 9 FOR FULLTEXT)

A chorus of true believers

Cohen, Adam

Time (GTIM), v147 n25, p48

Jun 17, 1996

ISSN: 0040-781X JOURNAL CODE: GTIM

DOCUMENT TYPE: Commentary

LANGUAGE: English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 555 LENGTH: Medium (10-30 col inches)

ABSTRACT: The Rainforest Cafe's Motley Fool Message Board is an online site where investors discuss the new restaurants and the stock market. Some stock volumes and prices reflect comments made online.

18/3,AB/25 (Item 8 from file: 484)
DIALOG(R)File 484:Periodical Abstracts Plustext
(c) 2001 Bell & Howell. All rts. reserv.

02353986 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Should your salespeople be certified?

Cohen, Andy

Sales & Marketing Management (SAL), v147 n4, p138-143

Apr 1995

ISSN: 0163-7517 JOURNAL CODE: SAL

DOCUMENT TYPE: Feature

LANGUAGE: English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 1957 LENGTH: Long (31+ col inches)

ABSTRACT: Certification of salespeople is still in its infancy, but is gaining momentum. The automotive industry has been quick to adopt certification because it lends credibility to a profession that has historically lacked it.

18/3,AB/26 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2001 The Gale Group. All rts. reserv.

05577836 Supplier Number: 48445789

Cuts And Fees Sweep Europe

Cohen, Amon

Business Travel News, p4

April 27, 1998

Language: English Record Type: Fulltext

Document Type: Tabloid; Trade

Word Count: 1074

18/3,AB/27 (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

(c) 2001 The Gale Group. All rights reserved.

05556314 Supplier Number: 48418824
Digital Embarks On European Hotel Consolidation
Cohen, Amon
Business Travel News, p17
April 13, 1998
Language: English Record Type: Fulltext
Document Type: Tabloid; Trade
Word Count: 1319

18/3,AB/28 (Item 3 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2001 The Gale Group. All rights reserved.

05271849 Supplier Number: 48031922
Debuts Corp. Products
Cohen, Amon
Business Travel News, p1
Oct 6, 1997
Language: English Record Type: Fulltext
Document Type: Tabloid; Trade
Word Count: 1286

18/3,AB/29 (Item 4 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2001 The Gale Group. All rights reserved.

05036102 Supplier Number: 47393870
BOC Inks Global Air Deals
Cohen, Amon
Business Travel News, p1
May 19, 1997
Language: English Record Type: Fulltext
Document Type: Tabloid; Trade
Word Count: 616

18/3,AB/30 (Item 5 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2001 The Gale Group. All rights reserved.

05010824 Supplier Number: 47358882
Amex Intl. Head Eyes Europe
Cohen, Amon
Business Travel News, p1
May 5, 1997
Language: English Record Type: Fulltext
Document Type: Tabloid; Trade
Word Count: 1053

18/3,AB/31 (Item 1 from file: 141)
DIALOG(R)File 141:Readers Guide
(c) 2001 The HW Wilson Co. All rights reserved.

04295514 H.W. WILSON RECORD NUMBER: BRGA00045514
American pharaoh {book review}.
Cohen, Adam (Adam Seth
Taylor, Elizabeth (Elizabeth Joel); Lemann, Nicholas, reviewer
The New Republic v. 223 no5 (July 31 2000) p. 27-31
WORD COUNT: 4246

18/3,AB/32 (Item 2 from file: 141)
DIALOG(R)File 141:Readers Guide

(c) 2001 The HW Wilson Co. All rts. reserv.

03821773 H.W. WILSON RECORD NUMBER: BRGA98071773

Demonizing Gates.

AUGMENTED TITLE: U.S. vs. Microsoft

Cohen, Adam.

Time (Time) v. 152 no18 (Nov. 2 '98) p. 58-60+

WORD COUNT: 3028

ABSTRACT: The U.S. Justice Department has simplified its case against Microsoft by dispensing with the case law and focusing on Bill Gates, who they argue aims to control the world technology market. U.S. v. Microsoft was meant to be an epic ideological battle, in which the department's antitrust chief, Joel Klein, would assert the liberal stance that government must interfere when a monopolist abuses its position of dominance in the market, and Microsoft would argue the libertarian case that markets operate best when completely free. The trial now seems to have been reduced to a fight over whether Gates is a brilliant innovator who has brought information technology to millions of satisfied customers or a greedy capitalist using his software monopoly to crush competitors. The writer discusses details of the case.

18/3,AB/33 (Item 3 from file: 141)

DIALOG(R)File 141:Readers Guide

(c) 2001 The HW Wilson Co. All rts. reserv.

03772116 H.W. WILSON RECORD NUMBER: BRGA98022116

When Wall Street runs welfare.

Cohen, Adam.

Time (Time) v. 151 (Mar. 23 '98) p. 64-5

WORD COUNT: 1512

ABSTRACT: Reform has introduced more private companies into the welfare business, but to date their record is mixed. As states battle to reinvent welfare, privatization has become one of the most popular trends. To pressurized welfare officials, employing private contractors to run state welfare programs offers the promise of letting loose the efficiency and versatility of the market on dysfunctional state bureaucracies, and to the private firms that are aggressively entering the field, it holds the chance of big profits and soaring share prices. Privatization has had some significant triumphs, but in many jurisdictions these welfare providers have been failing on the job or having their contracts rescinded, or they are facing such charges as abusing program clients and exercising improper influence with government entities that dole out work. The performance of Maximus, which is based in Milwaukee, Wisconsin, and is the largest company specializing in welfare work, is discussed.

18/3,AB/34 (Item 1 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2001 The Gale Group. All rts. reserv.

05570347 SUPPLIER NUMBER: 11827091 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Growing the wireless segment; what are the operational implications and resultant strategies that will be necessary to grow wireless? (Industry Overview)

Sullivan, Stephen; Schlosser, Joseph; Cohen, Alan

Cellular Business, v8, n13, p24(6)

Dec, 1991

DOCUMENT TYPE: Industry Overview ISSN: 0741-6520

LANGUAGE:

ENGLISH RECORD TYPE: FULLTEXT

WORD COUNT: 2593 LINE COUNT: 00225

23/3,AB/1 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2001 Bell & Howell. All rts. reserv.

01572773 02-23762

Speak and Grow Rich

Cook, Jean M

Presentations v12n1 PP: 30 Jan 1998 ISSN: 1072-7531 JRNL CODE: PRS
WORD COUNT: 258

ABSTRACT: Speak and Grow Rich, by Dottie Walters and Lilly Walters is reviewed.

23/3,AB/2 (Item 2 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2001 Bell & Howell. All rts. reserv.

01113529 97-62923

Bonton's record success

Cook, Joe

Euromoney n317 PP: 170-174 Sep 1995 ISSN: 0014-2433 JRNL CODE: ERM
WORD COUNT: 1676

ABSTRACT: In 1990, the now legendary recording of Vaclav Havel reading his play, Audience, was the first release by fledgling record label called Bonton. Today, founder Martin Kratochvil is the millionaire chairman of Bonton AS, a flourishing media and entertainment conglomerate encompassing 15 subsidiaries. Bonton generated revenue of Kr550 million in 1994, up 96% on 1993. Last year, it became the first Czech company to raise capital via an international private placement, and the firm is gearing up for an initial public offering (IPO). The result of a happy mix of entrepreneurial acumen and luck, Bonton was the first private Czech enterprise to capitalize on the disintegration of the state-controlled media after the collapse of communism.

23/3,AB/3 (Item 3 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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01048733 96-98126

The role of budget and financial reform in making government work better and cost less

Leonard, Brad; Cook, Joe ; McNeil, Jane

Public Budgeting & Finance v15n1 PP: 4-18 Spring 1995 ISSN: 0275-1100
JRNL CODE: PBF
WORD COUNT: 6569

ABSTRACT: Budgeting and financial management play a crucial role in organizing and disciplining the federal management culture. Consequently, addressing improvements in their practice is essential in the National Performance Review's examination of government-wide management systems. The recommendations and anticipated implementing actions relating to budgeting and financial management within the context of the National Performance Review's themes of cutting red tape, putting customers first, empowering employees to get results, and cutting back to basics are discussed. External factors, such as innovations in private sector management practices, rapid changes in information technology, and statutory reforms such as the Government Performance and Results Act, also influence needed changes in budgetary and financial management practices.

23/3,AB/4 (Item 4 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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01046660 96-96053

The "what," "why" and "how" of benchmarking

Beasley, Gary; Cook, Joseph

Agency Sales Magazine v25n6 PP: 52-56 Jun 1995 ISSN: 0162-3656

JRNL CODE: AGE

WORD COUNT: 2463

ABSTRACT: Benchmarking is a quality tool used by industry today that should provide information that may lead to the increased success of a company. The main themes of benchmarking are improving operations, purchasing, services, quality, and marketing systems and reducing the time to market cycles by looking at the method used by the best companies. Benchmarking provides a valuable link between companies that can result in each company becoming stronger. The five main reasons for benchmarking are to: 1. change or strengthen company culture, 2. increase competitive advantage, 3. create awareness, 4. enhance operational performance, and 5. manage the company strategically.

23/3,AB/5 (Item 5 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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01043701 96-93094

Larger banks and small-business lending: Strategies for success

Cook, John

Commercial Lending Review v10n2 PP: 73-78 Spring 1995 ISSN: 0886-8204

JRNL CODE: CLV

WORD COUNT: 2766

ABSTRACT: Small business is one of the few areas of growth for commercial lending. It will become more difficult to compete in this market for 3 reasons: 1. The rapidly increasing competition for business will squeeze interest spreads and increase marketing costs. 2. Some organizations will build their portfolios by lowering credit standards and price, putting pressure on the profits of the entire market. 3. Many lenders are tailoring strategy and **delivery** systems to meet the needs of this segment. To compete and win, banks must address the small business market with new ideas and new methods. All major competitors for this market must meet standards that include **delivering** real expertise and information to the customer. As a bank develops its new small-business strategy, it must take a look at the role technology can play.

23/3,AB/6 (Item 6 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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00964144 96-13537

Summary annual reporting: A cure for information overload

Cook, J Michael ; Sutton, Michael H

Financial Executive v11n1 PP: 12-15 Jan/Feb 1995 ISSN: 0895-4186

JRNL CODE: FEX

WORD COUNT: 2194

ABSTRACT: In its recently issued report, Improving Business Reporting - A Customer Focus, the AICPA Special Committee on **Financial** Reporting recommends that **financial** reporting allow for flexibility in determining the components of information that will satisfy the diverse needs of its many audiences. It is argued that the summary annual report, a concise version of the traditional annual report, is the report that addresses the problem of information overload. The report of the special committee reopens the debate about the scope and objectives of business reporting and charts some new directions. The concept of flexible reporting, in particular, should stimulate discussion and refocus attention on

communication with shareholders. Standard-setters should examine the way disclosure requirements are developed in the first place.

23/3,AB/7 (Item 7 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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00941798 95-91190

Independent community living among women with severe mental illness: A comparison with outcomes among men

Cook, Judith A

Journal of Mental Health Administration v21n4 PP: 361-373 Fall 1994

ISSN: 0092-8623 JRNL CODE: MHA

WORD COUNT: 6375

ABSTRACT: One area of interest in the mental health field is that of independent living. The extent to which men and women experience differential outcomes following residential rehabilitation is analyzed. A multivariate model predicting the independent living status of 650 mental health consumers 6 months following psychiatric rehabilitation was tested. The results indicate that a significantly higher proportion of women than men were able to achieve residential independence when the outcome assessed is living in commercial community housing. Although there is not a gender difference at the start of rehabilitation, a higher percentage of women are living independently by the time of program termination. This difference continues for at least 6 months after the end of rehabilitation services. However, gender itself is not a significant predictor of independent living when the effects of functioning level, parental status, program tenure, community participation, and ongoing support are controlled.

23/3,AB/8 (Item 8 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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00728520 93-77741

"If Roxborough Says the Spread Is 7, It's 7"

Cook, James

Forbes v150n6 PP: 350-364 Sep 14, 1992 ISSN: 0015-6914 JRNL CODE: FBR

WORD COUNT: 3807

ABSTRACT: Sports betting is no longer a fly-by-night sort of business; it is a vast, multinational and high-technology business, involving tens of billions of dollars. According to one estimate, 4% of all adults and 7% of all teenagers are now compulsive gamblers. Television has transformed the business and developed an audience with enormous potential for gambling. Today, 75% of the dollars bet are on football and basketball. Organized crime is heavily involved, but its control is much less pervasive than it once was. The Las Vegas line - the betting odds Las Vegas sets on the upcoming games - is the Greenwich Mean Time of the sports betting business. Michael Roxborough, president of Las Vegas Sports Consultants Inc., and his staff put out a line for every major sport. Oddsmakers like Roxborough make their money selling information services to legal bookmakers.

23/3,AB/9 (Item 9 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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00728483 93-77704

Collecting Your Thoughts: Some Considerations for Selecting an Automated Collections System

Jenkins, Ty; Cook, Jeff

ABSTRACT: Several factors should be considered when selecting an automated collections system. Automated collections systems basically come in 2 varieties: 1. the PC-based system, and 2. the online system, which runs off a mainframe. With a PC system, the cost is lower and the collections staff is unaffected by mainframe downtime. However, for the majority of credit unions with a fair amount of delinquent accounts, an online system is usually more beneficial than a PC-based system. One advantage of an online system is its ability to share information. Also, support for online systems is usually ongoing through quarterly updates. Collection systems' report writers allow collection managers to identify their most efficient collectors. Other features to consider include: 1. how the system enters comments and if tickler systems are built in to check those comments, 2. how the system generates letters, 3. security capabilities, and 4. prioritization. A Buyer's Guide to collections software is included.

23/3,AB/10 (Item 10 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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00726161 93-75382

Stimulating the Growth of Small Businesses: The Case of the Maine Products Marketing Program

Cook, Joan Anderson

Economic Development Review v10n1 PP: 59-62 Winter 1992 ISSN: 0742-3713
JRNL CODE: EDR
WORD COUNT: 3384

ABSTRACT: Helping small businesses grow is a challenge faced by those economic developers who are engaged in existing business or small business development programs. As part of the programs for economic development in Maine, the Department of Economic and Community Development undertook the task of building a marketing program for Maine products. Introduced in March 1989, the Maine Products Marketing Program increased the sales of companies involved in the effort, increased their customers, and had a positive impact on the employment provided by these companies. The program was developed for those firms that were positioned to wholesale their products. It aimed to be responsive to the needs of small manufacturers by providing technical assistance in their off-seasons and determining which trade shows offered the best opportunities. Further, manufacturers could elect to participate in whatever elements of the program they felt were most appropriate and useful. Because of the linkages available to Maine's manufacturers, a company can conceivably be taken from start-up to international trade success.

23/3,AB/11 (Item 11 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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00725443 93-74664

A Mailman's Lot Is Not a Happy One

Cook, James

Forbes v149n9 PP: 82-92 Apr 27, 1992 ISSN: 0015-6914 JRNL CODE: FBR
WORD COUNT: 2564

ABSTRACT: With 745,000 workers, the US Postal Service (USPS) is probably the world's largest materials handling operation. Around 550 million pieces of mail - 40% of the world's total - move into the system every working day and then move out again through 40,000 post offices, substations, and branches to 120 million **delivery** points. During Anthony M. Frank's 4-year tenure as US Postmaster General, he had to deal with numerous rules and

regulations. The high cost of labor was especially troublesome. The various unions represent no less than 88.5% of the USPS workforce, versus an average 12% in the private sector. Congress has mandated that wages must be set through collective bargaining and that they must match those in private industry. Frank attacked labor costs by speeding up automation programs and eliminating jobs through attrition and turnover. In 2 1/2 years, Frank eliminated 43,000 jobs. He cut costs further by accelerating the privatization of some of the post office's operations.

23/3,AB/12 (Item 12 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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00723693 93-72914

Branch Automation Project Was Ahead of Its Time

Cook, John ; Hassen, Jim
ABA Banking Journal v84n2 PP: 66-70 Feb 1992 ISSN: 0194-5947
JRNL CODE: BNK
WORD COUNT: 1605

ABSTRACT: In May 1989, Citibank initiated a major effort to develop a workstation-based distributed systems architecture (DSA) that would serve as the foundation for the bank's extensive branch systems. Although the DSA was canceled, the scope of the project raised some points for banks to consider in planning branch automation initiatives. Client-server computing involves running bank applications from branch-based minicomputers or workstations, to which personal computers are attached for use by bank personnel. Determining which applications should be distributed requires evaluating each application from both a technical and a business perspective. Distributed systems technology and open systems standards reduce costs within the consumer banking business and reduce development lead time. To gain the support of business managers, bank systems developers might further their cause by introducing technology initiatives in an evolutionary rather than revolutionary manner.

23/3,AB/13 (Item 13 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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00653025 93-02246

Why Nonprofits Don't Measure Cost-Effectiveness

Cook, Jonathan B.
Foundation News v33n5 PP: 35-38 Sep/Oct 1992 ISSN: 0015-8976
JRNL CODE: FOU
WORD COUNT: 2467

ABSTRACT: Outside the boundaries of a single nonprofit organization, information about cost-effectiveness is never used objectively or competently. Theoretically, the most important use of such information is to enable effective allocation of resources to specific organizations. However, factors such as influence, loyalty, fund-raising skill, and fund-raising expenditure are much more important determinants of where dollars go in the nonprofit sector. Some of the barriers to cost-effectiveness in nonprofit organizations are: 1. Ego is magnified in the nonprofit context. 2. A disproportionate amount of top management time is spent raising money. 3. Money that could be spent to serve the client base better is directed to relatively cost-ineffective organizations and methods. 4. There is no common measure of what nonprofit organizations do. Every set of similar nonprofits must develop its own information standards.

23/3,AB/14 (Item 14 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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00632283 92-47223

Job Ending Among Youth and Adults with Severe Mental Illness

Cook, Judith A.

Journal of Mental Health Administration v19n2 PP: 158-169 Summer 1992

ISSN: 0092-8623 JRNL CODE: MHA

WORD COUNT: 5654

ABSTRACT: The job-leaving experiences of 74 young adults and 252 adults with severe mental illness are examined. The data consist of a cross-sectional picture of 36 months in a Chicago psychiatric rehabilitation center's vocational program. A total of 627 jobs were ended during the period. The results indicate that younger clients displayed job-ending patterns that were different in some aspects from such patterns for nondisabled youth, such as displaying a lower average job tenure, yet similar to job-ending patterns for nonhandicapped youth in other ways, such as displaying a high frequency of job changing. Nondisabled youths show consistently poorer performance than adults on such employment variables as length of employment, job turnover, and occupational status. Youths and adults with mental illness display similar tenure on agency-sponsored placements, but youths with mental illness show significantly shorter tenure in independent jobs than the adults. Youths also appear more likely to be fired.

23/3,AB/15 (Item 1 from file: 88)

DIALOG(R)File 88:Gale Group Business A.R.T.S.

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05540699 SUPPLIER NUMBER: 64263018 (USE FORMAT 7 OR 9 FOR FULL TEXT)

POLITICS AND INSTITUTIONALISM: Explaining Durability and Change.

Clemens, Elisabeth S.; Cook, James M.

Annual Review of Sociology, 441

Annual, 1999

ISSN: 0360-0572

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 12432 LINE COUNT: 01085

AUTHOR ABSTRACT: From the complex literatures on "institutionalisms" in political science and sociology, various components of institutional change are identified: mutability, contradiction, multiplicity, containment and diffusion, learning and innovation, and mediation. This exercise results in a number of clear prescriptions for the analysis of politics and institutional change: disaggregate institutions into schemas and resources; decompose institutional durability into processes of reproduction, disruption, and response to disruption; and, above all, appreciate the multiplicity and heterogeneity of the institutions that make up the social world. Recent empirical work on identities, interests, alternatives, and political innovation illustrates how political scientists and sociologists have begun to document the consequences of institutional contradiction and multiplicity and to trace the workings of institutional containment, diffusion, and mediation.

23/3,AB/16 (Item 2 from file: 88)

DIALOG(R)File 88:Gale Group Business A.R.T.S.

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02645915 SUPPLIER NUMBER: 10848133 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Heading for the 21st century; the Catholic Church is the biggest membership organization in the U.S. What's number two? The American Automobile Association. Like the Church, the AAA is learning to adapt to the late 20th century.

Cook, James

Forbes, v147, n13, p70(3)

June 24, 1991

ISSN: 0015-6914

LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT: 813 LINE COUNT: 00079

23/3,AB/17 (Item 3 from file: 88)

DIALOG(R)File 88:Gale Group Business A.R.T.S.

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02480121 SUPPLIER NUMBER: 09121401 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Level playing field? (credit unions)

Cook, James

Forbes, v145, n13, p69(3)

June 25, 1990

ISSN: 0015-6914 LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT: 1085 LINE COUNT: 00082

23/3,AB/18 (Item 4 from file: 88)

DIALOG(R)File 88:Gale Group Business A.R.T.S.

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02270505 SUPPLIER NUMBER: 08081771 (USE FORMAT 7 OR 9 FOR FULL TEXT)

The paradox of antidrug enforcement. (includes interview with drug czar

William Bennett)

Cook, James

Forbes, v144, n11, p105(7)

Nov 13, 1989

CODEN: FORBA ISSN: 0015-6914 LANGUAGE: English

RECORD TYPE:

Fulltext

WORD COUNT: 3893 LINE COUNT: 00372

23/3,AB/19 (Item 5 from file: 88)

DIALOG(R)File 88:Gale Group Business A.R.T.S.

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02083975 SUPPLIER NUMBER: 06816972 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Power for profit. (Bonneville Pacific Corp.) (company profile)

Cook, James

Forbes, v142, n12, p74(2)

Nov 28, 1988

CODEN: FORBA DOCUMENT TYPE: company profile

ISSN: 0015-6914

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 873 LINE COUNT: 00082

23/3,AB/20 (Item 6 from file: 88)

DIALOG(R)File 88:Gale Group Business A.R.T.S.

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01804422 SUPPLIER NUMBER: 04314079 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Sitting pretty. (Consolidated Natural Gas) (company profile)

Cook, James

Forbes, v138, p82(3)

July 28, 1986

CODEN: FORBA DOCUMENT TYPE: company profile

ISSN: 0015-6914

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 1001 LINE COUNT: 00094

23/3,AB/21 (Item 7 from file: 88)

DIALOG(R)File 88:Gale Group Business A.R.T.S.

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01800290 SUPPLIER NUMBER: 04265909 (USE FORMAT 7 OR 9 FOR FULL TEXT)

"Least-regulated money in the country today." (abuses in union benefit funds) (includes related articles on abuse investigations)

Cook, James

Forbes, v137, p74(4)

June 2, 1986

CODEN: FORBA ISSN: 0015-6914

LANGUAGE: English

RECORD TYPE:

Fulltext

23/3,AB/22 (Item 8 from file: 88)
DIALOG(R)File 88:Gale Group Business A.R.T.S.
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01718220 SUPPLIER NUMBER: 03985829 (USE FORMAT 7 OR 9 FOR FULL TEXT)
The garbage game. (garbage collection) (includes side bar on landfills)
Cook, James
Forbes, v136, p120(9)
Oct 21, 1985
CODEN: FORBA ISSN: 0015-6914 LANGUAGE: English RECORD TYPE:
Fulltext
WORD COUNT: 4246 LINE COUNT: 00395

23/3,AB/23 (Item 9 from file: 88)
DIALOG(R)File 88:Gale Group Business A.R.T.S.
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01701535 SUPPLIER NUMBER: 03638860 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Troubleshooter. (Bill Derrickson of the Seabrook Nuclear Power Plant)
Cook, James
Forbes, v135, p91(1)
Feb 11, 1985
CODEN: FORBA ISSN: 0015-6914 LANGUAGE: English RECORD TYPE:
Fulltext
WORD COUNT: 624 LINE COUNT: 00058

23/3,AB/24 (Item 10 from file: 88)
DIALOG(R)File 88:Gale Group Business A.R.T.S.
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01701534 SUPPLIER NUMBER: 03638859 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Something rotten in Suffolk? (after 20 years, the Shoreham nuclear plant still isn't operational)
Cook, james
Forbes, v135, p88(2)
Feb 11, 1985
CODEN: FORBA ISSN: 0015-6914 LANGUAGE: English RECORD TYPE:
Fulltext
WORD COUNT: 894 LINE COUNT: 00086

23/3,AB/25 (Item 11 from file: 88)
DIALOG(R)File 88:Gale Group Business A.R.T.S.
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01605234 SUPPLIER NUMBER: 03084970 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Railroads. (analysis of 1983)
Cook, James
Forbes, v133, p148(3)
Jan 2, 1984
CODEN: FORBA ISSN: 0015-6914 LANGUAGE: English RECORD TYPE:
Fulltext
WORD COUNT: 1735 LINE COUNT: 00160

23/3,AB/26 (Item 12 from file: 88)
DIALOG(R)File 88:Gale Group Business A.R.T.S.
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01512241 SUPPLIER NUMBER: 02716134 (USE FORMAT 7 OR 9 FOR FULL TEXT)
You mean we've been speaking prose all these years? (development of a service economy)
Cook, James

Forbes, v131, p142(8)

April 11, 1983

CODEN: FORBA

ISSN: 0015-6914

LANGUAGE: English

RECORD TYPE:

Fulltext

WORD COUNT: 3788

LINE COUNT: 00399

23/3,AB/27 (Item 1 from file: 635)

DIALOG(R)File 635:Business Dateline(R)

(c) 2001 Bell & Howell. All rts. reserv.

2055371 52106034

INVESTMENT FIRMS ARE CLUSTERING IN NEW POWER CENTERS

Cook, John

Seattle Post - Intelligencer pD1

Mar 31, 2000

WORD COUNT: 1,100

DATELINE: Seattle Washington

23/3,AB/28 (Item 2 from file: 635)

DIALOG(R)File 635:Business Dateline(R)

(c) 2001 Bell & Howell. All rts. reserv.

2003077 50433690

AVENTAIL MAKES SOFTWARE TO HELP OTHERS DO BUSINESS

Cook, John

Seattle Post - Intelligencer pC1

Feb 28, 2000

WORD COUNT: 1,157

DATELINE: Seattle Washington

23/3,AB/29 (Item 3 from file: 635)

DIALOG(R)File 635:Business Dateline(R)

(c) 2001 Bell & Howell. All rts. reserv.

1104699 00-80199

**'AWESOME' CEO JOINS WEB STORE MARY TAYLOR LEAVES CITIGROUP TO DIRECT
HOMEGROCER.COM**

Cook, John

Seattle Post-Intelligencer (Seattle, WA, US) pC.1

PUBL DATE: 990916

WORD COUNT: 642

DATELINE: Kirkland, WA, US, Pacific

23/3,AB/30 (Item 4 from file: 635)

DIALOG(R)File 635:Business Dateline(R)

(c) 2001 Bell & Howell. All rts. reserv.

1083074 00-52938

DRUGSTORE.COM TO WORK WITH RITE AID PHARMACY

Cook, John

Seattle Post-Intelligencer (Seattle, WA, US) pA.1

PUBL DATE: 990623

WORD COUNT: 854

DATELINE: Bellevue, WA, US, Pacific

23/3,AB/31 (Item 5 from file: 635)

DIALOG(R)File 635:Business Dateline(R)

(c) 2001 Bell & Howell. All rts. reserv.

1081186 00-50627

CORBIS SNAPS UP SYGMA DEAL SWELLS FIRM TO 850 WORKERS

Cook, John

Seattle Post-Intelligencer (Seattle, WA, US) pC.1

PUBL DATE: 990615
WORD COUNT: 521
DATELINE: Bellevue, WA, US, Pacific

23/3,AB/32 (Item 6 from file: 635)
DIALOG(R)File 635:Business Dateline(R)
(c) 2001 Bell & Howell. All rts. reserv.

1074334 00-41728

ALLEN LEADING \$300 MILLION DEAL TO ADD ONLINE BROKER TO 'WIRED WORLD'

Cook, John
Seattle Post-Intelligencer (Seattle, WA, US) pC.1
PUBL DATE: 990525
WORD COUNT: 461
DATELINE: Seattle, WA, US, Pacific

23/3,AB/33 (Item 1 from file: 484)
DIALOG(R)File 484:Periodical Abstracts Plustext
(c) 2001 Bell & Howell. All rts. reserv.

03514411 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Life-course and severe mental illness: Implications for caregiving within the family of later life

Cook, Judith A ; Cohler, Bertram J; Pickett, Susan A; Beeler, Jeff A
Family Relations (GFAM), v46 n4, p427-436, p.10
Oct 1997
ISSN: 0197-6664 JOURNAL CODE: GFAM
DOCUMENT TYPE: Feature
LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 11026

ABSTRACT: A life-course perspective is applied to the study of family caregiving for persons with severe and persistent mental illness in later life, including how it is impacted by socio-historical trends and recent discoveries about the course and treatment of serious mental illness.

23/3,AB/34 (Item 2 from file: 484)
DIALOG(R)File 484:Periodical Abstracts Plustext
(c) 2001 Bell & Howell. All rts. reserv.

02492318 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Medical sociology and the study of severe mental illness: Reflections on past accomplishments and directions for future research

Cook, Judith A ; Wright, Eric R
Journal of Health & Social Behavior (PHSB), p95-114
1995
ISSN: 0022-1465 JOURNAL CODE: PHSB
DOCUMENT TYPE: Feature
LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 12378 LENGTH: Long (31+ col inches)

ABSTRACT: Important empirical and theoretical directions in the field of mental illness research that could benefit from more extensive sociological analysis are examined. The shift to the community-based mental health system has increased the need for sociological perspective, and medical sociologists have the perspective necessary for developing a more complete understanding of the conditions affecting people with severe mental disorders.

23/3,AB/35 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2001 The Gale Group. All rts. reserv.

10856798 SUPPLIER NUMBER: 53935281 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Investing in emerging markets: debt versus equity.

Johnston, Richard M.; Cook, Jason L.

Trusts & Estates, 138, 2, 52(1)

Feb, 1999

ISSN: 0041-3682

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 2610

LINE COUNT: 00232

ABSTRACT: Emerging economies provide opportunities for international investment despite the debt crises in Russia and Asia during the late 1990s. Not all poor countries can be identified as emerging economies. Emerging economies are defined by areas that are developing an economic structure that will provide a high rate of return on initial investments. Such economies realize the importance of maintaining political and economic stability to attract investors. Investors need to choose an investor manager with specialized qualifications for emerging markets.

AUTHOR ABSTRACT: Emerging markets investments add incremental return to a portfolio to compensate for the additional risks entailed. The investor should approach allocations to emerging markets debt and equity as a sub-allocation within their global debt and equity portfolios respectively, rather than a "global" emerging markets. Emerging markets investing requires a long time horizon and an appetite for risk; investing requires significant dedicated expertise and disciplined research.

23/3,AB/36 (Item 2 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2001 The Gale Group. All rts. reserv.

06800586 SUPPLIER NUMBER: 14980209 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Auto industry shifts recovery into gear. (Canada) (Cover Story)

Cook, Jerry

Canadian Machinery and Metalworking, v88, n10, p8(4)

Dec, 1993

DOCUMENT TYPE: Cover Story

ISSN: 0008-4379

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 2189

LINE COUNT: 00161

23/3,AB/37 (Item 3 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2001 The Gale Group. All rts. reserv.

06674741 SUPPLIER NUMBER: 14125466 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Playing to win in the small-business lending market. (Column)

Cook, John

American Banker, v158, n142, p7(1)

July 27, 1993

DOCUMENT TYPE: Column

ISSN: 0002-7561

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 710

LINE COUNT: 00055

ABSTRACT: Competition among banks for the small business market is growing as more banks enter the foray. Small banks, known for their customer service and credit standards that are flexible, are limited by their lending capacity and the number of products they can offer customers. Large banks have great **financial** resources and the marketing to match their products to a customer's needs. Nonbank lenders, like Merrill Lynch, are able to provide small businesses with similar services because they already have a distribution system in place.

23/3,AB/38 (Item 4 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2001 The Gale Group. All rts. reserv.

04807030 SUPPLIER NUMBER: 09390849 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Ford spends \$59 million on aluminum casting plant. (Ford Motor Company of Canada Ltd. to build plant in Windsor, Ontario)

Cook, Jerry

Canadian Machinery and Metalworking, v85, n8, p22(2)

August, 1990

ISSN: 0008-4379

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 737

LINE COUNT: 00061

23/3,AB/39 (Item 5 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2001 The Gale Group. All rts. reserv.

04631384 SUPPLIER NUMBER: 09266658 (USE FORMAT 7 OR 9 FOR FULL TEXT)

World airline directory; flight data. (M-Z)

Cook, John ; Hamill, Tom

Flight International, v137, n4207, p106(22)

March 14, 1990

ISSN: 0015-3710

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 32803

LINE COUNT: 02784

23/3,AB/40 (Item 6 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2001 The Gale Group. All rts. reserv.

04612581 SUPPLIER NUMBER: 09199427 (USE FORMAT 7 OR 9 FOR FULL TEXT)

New markets, diversification strengthen UTDC. (UTDC Inc.) (special section:

Railway Industry) (company profile)

Cook, Jerry

Canadian Machinery and Metalworking, v85, n3, p16(2)

March, 1990

DOCUMENT TYPE: company profile

ISSN: 0008-4379

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 1262

LINE COUNT: 00100

25/3,AB/1 (Item 1 from file: 635)
DIALOG(R)File 635:Business Dateline(R)
(c) 2001 Bell & Howell. All rts. reserv.

0685782 96-43026

Silicon Valley Research unveils SonIC version 2.0

Grandcolas, Mark

Business Wire (San Francisco, CA, US) p1

PUBL DATE: 960325

WORD COUNT: 536

DATELINE: Mountain View, CA, US, Pacific

25/3,AB/2 (Item 2 from file: 635)

DIALOG(R)File 635:Business Dateline(R)

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0606699 95-62937

Glenn Abood joins Silicon Valley Research as president and CEO

Grandcolas, Mark

Business Wire (San Francisco, CA, US) s1 p1

PUBL DATE: 950608

WORD COUNT: 475

DATELINE: Mountain View, CA, US

25/3,AB/3 (Item 3 from file: 635)

DIALOG(R)File 635:Business Dateline(R)

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0601990 95-58201

Silicon Valley reports Q4 and fiscal 1995 financial results

Grandcolas, Mark

Business Wire (San Francisco, CA, US) s1 p1

PUBL DATE: 950523

WORD COUNT: 285

DATELINE: Mountain View, CA, US

25/3,AB/4 (Item 4 from file: 635)

DIALOG(R)File 635:Business Dateline(R)

(c) 2001 Bell & Howell. All rts. reserv.

0567893 95-23598

Corporate profile for Silicon Valley Research

Grandcolas, Mark

Business Wire (San Francisco, CA, US) s1 p1

PUBL DATE: 950203

WORD COUNT: 173

DATELINE: Mountain View, CA, US

25/3,AB/5 (Item 1 from file: 239)

DIALOG(R)File 239:Mathsci

(c) 2001 American Mathematical Society. All rts. reserv.

03090547 CMP 1 775 888

Regular polygons and transfinite diameter.

Grandcolas, Michel (UFR de Mathematiques, Informatique et Mecanique,

Universite de Metz, 57000 Metz, France

Corporate Source Codes: F-METZ-UM

Bull. Austral. Math. Soc.

Bulletin of the Australian Mathematical Society, 2000, 62, no. 1,
67--74. ISSN: 0004-9727 CODEN: ALNBAB

Language: English Summary Language: English

Subfile: CMP (Current Mathematical Publications) AMS

25/3,AB/6 (Item 2 from file: 239)

DIALOG(R)File 239:Mathsci

(c) 2001 American Mathematical Society. All rts. reserv.

03018117 MR 2000e#11132

Small Salem numbers.

Number theory in progress, Vol. 1 (Zakopane-Koscielisko, 1997)

Flammang, V. (Departement de Mathematiques, Universite de Metz, 57045 Metz, France)

Grandcolas, M. (Departement de Mathematiques, Universite de Metz, 57045 Metz, France)

Rhin, G. (Departement de Mathematiques, Universite de Metz, 57045 Metz, France)

Corporate Source Codes: F-METZ; F-METZ; F-METZ
1999,

de Gruyter, Berlin,; 165--168,,

Language: English Summary Language: English

Subfile: MR (Mathematical Reviews) AMS

Abstract Length: SHORT (6 lines)

In this expository paper the authors bound the traces of the powers of a Salem number. This allows them to verify by computation that there are no more Salem numbers less than 1.3 and of degree at most 40 than the 45 known ones [M. J. Mossinghoff, ``Small Salem numbers'',
[http://www.math.ucla.edu/~sptilde\\$jmj/lc/lists.html](http://www.math.ucla.edu/~sptilde$jmj/lc/lists.html)].

\{For the entire collection see MR 2000b:11004.\}

Reviewer: Zaimi, Toufik (SAR-RYADS)

25/3,AB/7 (Item 3 from file: 239)

DIALOG(R)File 239:Mathsci

(c) 2001 American Mathematical Society. All rts. reserv.

02881699 MR 99c#11130

Weighted diameters of complete sets of conjugate algebraic integers.

Grandcolas, Michel (UFR de Mathematiques, Informatique et Mecanique, Universite de Metz, 57000 Metz, France)

Corporate Source Codes: F-METZ-UM

Bull. Austral. Math. Soc.

Bulletin of the Australian Mathematical Society, 1998, 57, no. 1,
25--36. ISSN: 0004-9727 CODEN: ALNBAB

Language: English Summary Language: English

Subfile: MR (Mathematical Reviews) AMS

Abstract Length: MEDIUM (24 lines)

The quantity considered in this paper is the following: let n and d be positive integers with $d \geq n$; when $X_d = \{\alpha_i; 1 \leq i \leq d\}$ is the complete set of conjugates of algebraic integers of degree d the author defines $t_n(X_d) = \sup \{(\alpha_i) \in X_d^n \mid \prod_{i \neq j} |\alpha_i - \alpha_j| \geq 2\}$, which he calls the weighted diameter of X_d .

This definition is related to the classical Favard problems solved in 1988 by Langevin, Reyssat and Rhin. Namely if G_d is the set of complete sets of conjugates of algebraic integers of degree d and if $G = \bigcup_{d \geq 1} G_d$ and $G = \bigcup_{d \geq 1} G_d$ then Langevin, Reyssat and Rhin proved that $\inf \{t_2(X) \mid X \in G\} \geq \sqrt{3}$ and $\lim_{d \rightarrow \infty} \inf \{t_2(X) \mid X \in G_d\} = 2$.

Notice also that $t_d(X_d)$ is the discriminant of the polynomial of degree d whose roots are the elements of X_d . In 1980, Lloyd-Smith proved that $t_3(X_d) \geq 3^{1/6}$ for all d .

The author proves some properties of weighted diameters and computes $\inf \{t_n(X) \mid X \in G_d\}$ for small values of d and n . These computations involve a lot of work. The theoretical study presents interesting links between weighted diameters and the distance between the roots of a polynomial.

Reviewer: Mignotte, Maurice (F-STRAS)

25/3,AB/8 (Item 4 from file: 239)

02802603 MR 98g#11145

Diameters of complete sets of conjugate algebraic integers of small degree.

Grandcolas, Michel (Departement de Mathematiques, Universite de Metz,
57045 Metz, France

Corporate Source Codes: F-METZ

Math. Comp.

Mathematics of Computation, 1998, 67, no. 222, 821--831. ISSN:
0025-5718 CODEN: MCMPAF

Language: English Summary Language: English

Subfile: MR (Mathematical Reviews) AMS

Abstract Length: SHORT (9 lines)

Let P be a monic irreducible polynomial with coefficients in \mathbf{Z} and S the set of its roots in \mathbf{C} . Previous results guarantee that the diameter of the set S is at least $\sqrt{3}$ and that, for each real number $c < 2$, the number of such sets of diameter at most c is finite. This paper presents bounds for the coefficients of P in terms of the diameter of S . These bounds are then used to obtain polynomials of minimal diameter for degrees up to and including 10.

Reviewer: Buell, Duncan A. (Bowie, MD)

27/3,AB/1 (Item 1 from File: 88)
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05393011 SUPPLIER NUMBER: 61030898 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Dynamic Slip and Nonlinear Viscoelasticity.

LAN, SEON KEAT ; GIACOMIN, A. JEFFREY; DING, FAN

Polymer Engineering and Science, 40, 2, 507

Feb, 2000

ISSN: 0032-3888

LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT: 5576

LINE COUNT: 00471

29/3,AB/1 (Item 1 from file: 484)
DIALOG(R)File 484:Periodical Abstracts Plustext
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02080681

**Social studies -- Uncertain Roads: Searching for the Gypsies by Yale Strom
Lindsley, Barbara**

Book Report (IBKR), v13 n1, p62

May 1994

ISSN: 0731-4388 JOURNAL CODE: IBKR

DOCUMENT TYPE: Book Review-Favorable

LANGUAGE: English RECORD TYPE: Abstract

LENGTH: Short (1-9 col inches)

ABSTRACT: Review.

29/3,AB/2 (Item 2 from file: 484)
DIALOG(R)File 484:Periodical Abstracts Plustext
(c) 2001 Bell & Howell. All rts. reserv.

02059267

**Travel & adventure -- Drums Along the Congo by Rory Nugent
Lindsley, Barbara N**

Book Report (IBKR), v12 n5, p59

Mar 1994

ISSN: 0731-4388 JOURNAL CODE: IBKR

DOCUMENT TYPE: Book Review-Mixed

LANGUAGE: English RECORD TYPE: Abstract

LENGTH: Short (1-9 col inches)

ABSTRACT: Review.

29/3,AB/3 (Item 3 from file: 484)
DIALOG(R)File 484:Periodical Abstracts Plustext
(c) 2001 Bell & Howell. All rts. reserv.

01668428

**Travel & adventure -- Polar Dream by Helen Thayer
Lindsley, Barbara**

Book Report (IBKR), v12 n2, p71

Sep 1993

ISSN: 0731-4388 JOURNAL CODE: IBKR

DOCUMENT TYPE: Book Review-Favorable

LANGUAGE: English RECORD TYPE: Abstract

LENGTH: Short (1-9 col inches)

ABSTRACT: Review.

29/3,AB/4 (Item 4 from file: 484)
DIALOG(R)File 484:Periodical Abstracts Plustext
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01624164

**Language -- Dictionary of Symbolism by Hans Biedermann
Lindsley, Barbara**

Book Report (IBKR), v12 n1, p54-55

May 1993

ISSN: 0731-4388 JOURNAL CODE: IBKR

DOCUMENT TYPE: Book Review-Favorable

LANGUAGE: English RECORD TYPE: Abstract

LENGTH: Short (1-9 col inches)

ABSTRACT: Review.

29/3,AB/5 (Item 5 from File: 484)
DIALOG(R)File 484:Periodical Abstracts Plustext
(c) 2001 Bell & Howell. All rts. reserv.

01398206

Social studies -- Frontiers by Ronald Eyre, Nadine Gordimer, Nigel
Hamilton, Christopher Hitchens, Frederic Raphael, Richard Rodriguez, Jon
Swain and John Wells
Lindsley, Barbara

Book Report (IBKR), v11 n4, p60
Jan 1993

ISSN: 0731-4388 JOURNAL CODE: IBKR
DOCUMENT TYPE: Book Review-Mixed
LANGUAGE: English RECORD TYPE: Abstract
LENGTH: Short (1-9 col inches)

ABSTRACT: Review.

31/3,AB/1 (Item 1 from file: 88)
DIALOG(R)File 88:Gale Group Business A.R.T.S.
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04177299 SUPPLIER NUMBER: 19132239

Minimal trellis design for linear codes based on the Shannon product. (Special Issue on Codes and Complexity)

Sidorenko, Vladimir; Markarian, Garik ; Honary, Bahram
IEEE Transactions on Information Theory, v42, n6, p2048(6)
Nov, 1996
ISSN: 0018-9448 LANGUAGE: English RECORD TYPE: Abstract

AUTHOR ABSTRACT: A novel trellis design technique for both block and convolutional codes based on the Shannon product of component block codes is introduced. Using the proposed technique, structured trellises for block and convolutional codes have been designed. It is shown that the designed trellises are minimal and allow reduced complexity Viterbi decoding. Index Terms - Linear codes, trellis structure, product of trellises.

31/3,AB/2 (Item 1 from file: 239)

DIALOG(R)File 239:Mathsci
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02905217 MR 99e#94047

Trellis decoding of block codes.

A practical approach. With a preface by P. G. Farrell.

Honary, Bahram (Communications Research Centre, University of Lancaster, Lancaster, LA1 4YR, England)

Markarian, Garik (Communications Research Centre, University of Lancaster, Lancaster, LA1 4YR, England)

Contributors: Farrell, P. G.

Corporate Source Codes: 4-LANC-CR; 4-LANC-CR

Publ: Kluwer Academic Publishers, Boston, MA, 1997, xvi+265 pp. ISBN: 0-7923-9860-2

Series: The Kluwer International Series in Engineering and Computer Science, 391.

Language: English Summary Language: English

Subfile: MR (Mathematical Reviews) AMS

Abstract Length: LONG (72 lines)

The aim of this book is to provide an introduction to the basic principles of trellis decoding of block codes. It is intended for a broad range of readers---from undergraduate and postgraduate students to communication engineers and researchers in coding theory. Though no particular background is required, some basic knowledge of the foundations of coding theory might be of use.

The book contains many examples and can be used as a textbook for a course in this particular area of coding theory. It also describes the recent advances in the area of trellis decoding and can serve as a good source of references for this and related subjects. In particular, the authors include a novel technique, termed multifunctional trellis decoders, which has great potential for implementation in the next generation of communication systems. Last but not least, the book may suggest ideas for research in this area.

The structure of the book is closely related to the structure of a short course taught by the authors at various universities. The material is divided into five chapters (Chapters 2 through 6).

In Chapter 2 the authors introduce the concept of generalized array codes. This technique allows an array decomposition of block codes and can be used for the design of their trellis decoders. A wide variety of known block codes can be represented in the format of generalized array codes, e.g., Hamming, Reed-Muller, BCH, Golay, optimum codes, etc. The authors implement the concept of generalized array codes for the design of run-length limited and balanced codes, which are widely used in magnetic recording and optical storage devices.

Chapter 3 deals with a new trellis decoding procedure for both array codes and generalized array codes. It is shown how the generalized array decomposition can be used for the design of minimal trellises for binary

block codes. A similar procedure is applied to the trellis design of run-length limited and balanced codes. This part is supported by three software packages that illustrate the trellis design procedure for different block codes as well as the Viterbi decoding algorithm for these codes.

In Chapter 4 a number of adaptive coding schemes are proposed, in which a single encoder and soft maximum likelihood trellis decoder provide different levels of error performance, adaptiveness and overall implementation complexity. A technique called nested trellis decoding is introduced and practically illustrated by means of simple examples. The authors also describe a new adaptive spectral shaping coding and its trellis decoding.

Chapter 5 is devoted to Reed-Solomon codes and their trellis decoding. There are certain limitations that make practical implementation of trellis decoders based on syndrome or coset trellises infeasible. To overcome these limitations the authors describe a new technique, called Shannon product of trellises, which allows for an easy design of both syndrome and coset trellises for Reed-Solomon codes and provides a basis for the development of efficient low-complexity trellis decoders.

In Chapter 6, the authors seek to formalise to some extent the concept of "multifunctional trellis decoding". This notion was applied as a description of a system designed to perform two or more simultaneous functions within the overall structure of a communication system. In multifunctional trellis decoding, the authors consider the following aspects of signal processing: soft maximum likelihood trellis decoding, demodulation, bit, symbol and block synchronisation, real-time channel estimation.

The book contains a bibliography which includes more than 200 references in the relevant area. There are also three packages which can be used in conjunction with the material presented in the book: Graphic Illustration of the Trellis Design Procedure for Array Codes, Graphic Illustration of the Trellis Design Procedure for Block Codes, and Graphic Simulation of Trellis Decoders.

On the whole, all aspects of the trellis decoding of block codes based on the generalized array codes construction are described in this book, with the emphasis on the practical approach. The authors bring together results of many research investigations into a clear, coherent and up-to-date presentation.

Reviewer: Landgev, Ivan (Sofia)

31/3,AB/3 (Item 2 from file: 239)

DIALOG(R)File 239:Mathsci

(c) 2001 American Mathematical Society. All rts. reserv.

02240678 CMP 136 306

The method of word synchronization in alphabetic codes for the digital transmission systems.

Transactions of the Tenth Prague Conference on Information Theory, Statistical Decision Functions, Random Processes, Vol. B (Prague, 1986)

Khachatryan, Guren G. (Computing Center, Academy of Sciences Armenian SSR, 375019 Erevan (Yerevan), USSR)

Khachatryan, Levon G. (Computing Center, Academy of Sciences Armenian SSR, 375019 Erevan (Yerevan), USSR)

Markarian, Garegin S. (Computing Center, Academy of Sciences Armenian SSR, 375019 Erevan (Yerevan), USSR)

(Khachatryan, G. G.; Khachatryan, L. G.; Markaryan, G. S.)

Corporate Source Codes: 2-AOSAR-C; 2-AOSAR-C; 2-AOSAR-C

1988,

Reidel, Dordrecht,; 37--41,,

Language: English

Subfile: CMP (Current Mathematical Publications) AMS

38/3,AB/1 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2001 Bell & Howell. All rts. reserv.

01400066 00051053

Illinois agriculture evolves for a new century

Ellinger, Paul N; Lubben, Bradley D; DeVuyst, Eric A; Moss, LeeAnn
McEdwards ; Lins, David A

Illinois Business Review v53n4 PP: 24-28 Winter 1996 ISSN: 0019-1922

JRNL CODE: ILB

WORD COUNT: 2465

ABSTRACT: Four key issues facing the Illinois farming community are agricultural policy, environmental issues, site-specific agriculture, and livestock production. The passage of the Federal Agricultural Improvement and Reform (FAIR) Act of 1996 marks a watershed event in agricultural policy. For the 1st time in more than 50 years, federal farm programs changed direction significantly from production controls and income supports to fixed support payments not tied to production. The change in federal farm programs will bring significant changes in the way Illinois farmers make their business decisions. The FAIR Act of 1996 also has many provisions that are friendly to the environment. The Site-specific farming (SSF) refers to the ability to vary application rates for fertilizers or pesticides as the farmer moves across his fields. As an increasing number of farmers adopt SSF technology and ongoing research is concluded, questions regarding profitability, reliability, and environmental implications will be answered. A significant change in Illinois agriculture is the shift away from livestock production toward crop production.

38/3,AB/2 (Item 1 from file: 635)
DIALOG(R)File 635:Business Dateline(R)
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0801007 97-60994

Illinois agriculture evolves for a new century

Ellinger, Paul N; Lubben, Bradley D; DeVuyst, Eric A; Moss, LeeAnn
McEdwards ; Lins, David A

Illinois Business Review (Champaign, IL, US), V53 N4 p24

PUBL DATE: 961220

WORD COUNT: 2,465

DATELINE: IL, US, North Central

38/3,AB/3 (Item 2 from file: 635)
DIALOG(R)File 635:Business Dateline(R)
(c) 2001 Bell & Howell. All rts. reserv.

0149065 90-32111

This Tough Boss Could Close News

Moss, Linda

Crains New York Business (New York, NY, US), V6 N22 s1 p1

PUBL DATE: 900528

WORD COUNT: 1,363

DATELINE: Chicago, IL, US

38/3,AB/4 (Item 3 from file: 635)
DIALOG(R)File 635:Business Dateline(R)
(c) 2001 Bell & Howell. All rts. reserv.

0040468 87-19181

Newspaper Wars: A Report on Two Fronts: Will Murdoch Gambit Help Him Keep Post?

Moss, Linda

Crains New York Business (New York, NY, US), V3 N44 s1 p3

PUBL DATE: 871102

WORD COUNT: 1,126
DATELINE: New York, NY, US

38/3,AB/5 (Item 1 from file: 570)
DIALOG(R)File 570:Gale Group MARS(R)
(c) 2001 The Gale Group. All rts. reserv.

01809963 Supplier Number: 56082753
Rogers to Target 'Niche Cable' at Primedia.
MOSS, LINDA
Multichannel News, v20, n41, p10
Oct 4, 1999
ISSN: 0276-8593
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 794

38/3,AB/6 (Item 2 from file: 570)
DIALOG(R)File 570:Gale Group MARS(R)
(c) 2001 The Gale Group. All rts. reserv.

01678413 Supplier Number: 50227453
Rainbow Metro Nets Ready to Roll
MOSS, LINDA
Multichannel News, v19, n31, p26
August 3, 1998
ISSN: 0276-8593
Language: English Record Type: Fulltext
Article Type: Article
Document Type: Magazine/Journal; Trade
Word Count: 759

38/3,AB/7 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2001 The Gale Group. All rts. reserv.

06749767 Supplier Number: 56082753
Rogers to Target 'Niche Cable' at Primedia.
MOSS, LINDA
Multichannel News, v20, n41, p10
Oct 4, 1999
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 794

38/3,AB/8 (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2001 The Gale Group. All rts. reserv.

05745015 Supplier Number: 50227453
Rainbow Metro Nets Ready to Roll
MOSS, LINDA
Multichannel News, v19, n31, p26
August 3, 1998
Language: English Record Type: Fulltext
Article Type: Article
Document Type: Magazine/Journal; Trade
Word Count: 759

38/3,AB/9 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2001 The Gale Group. All rts. reserv.

11594762 SUPPLIER NUMBER: 56082753 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Rogers to Target 'Niche Cable' at Primedia.

MOSS, LINDA

Multichannel News, 20, 41, 10

Oct 4, 1999

ISSN: 0276-8593 LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 865 LINE COUNT: 00072

38/3,AB/10 (Item 2 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2001 The Gale Group. All rts. reserv.

10366850 SUPPLIER NUMBER: 20993537 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Rainbow Metro Nets Ready to Roll.

Moss, Linda

Multichannel News, v19, n31, p26(1)

August 3, 1998

ISSN: 0276-8593 LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 802 LINE COUNT: 00065

38/3,AB/11 (Item 3 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2001 The Gale Group. All rts. reserv.

09659576 SUPPLIER NUMBER: 19435623 (USE FORMAT 7 OR 9 FOR FULL TEXT)

The 1996 farm bill, new technology, structural changes in the number, size and type of farms, as well as continuing concern for environmental issues in farming will all affect Illinois agriculture in the coming year and the future. (Illinois Agriculture Evolves for a New Century)

Ellinger, Paul N.; Lubben, Bradley D.; DeVuyst, Eric A.; Moss, LeeAnn

McEdwards ; Lins, David A

Illinois Business Review, v53, n4, p24(5)

Winter, 1996

ISSN: 0019-1922 LANGUAGE: English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 2581 LINE COUNT: 00231

ABSTRACT: The Illinois agricultural industry faces issues on agricultural policy, site-specific agriculture, livestock production and environmental concerns. The Federal Agricultural Improvement and Reform Act of 1996 has placed risk management in farmers' hands while increasing planting flexibility. Farmers have also to contend with high-technology farming methods amid low livestock production. Large-scale hog farms and increased need for fertilizers and pesticides are increasing the potential for environmental contamination.

38/3,AB/12 (Item 4 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2001 The Gale Group. All rts. reserv.

08933295 SUPPLIER NUMBER: 18586570 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Cable modems, cyberspace open doors for local ads. (cable TV advertising)

Moss, Linda

Multichannel News, v17, n27, p16(1)

July 1, 1996

ISSN: 0276-8593 LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 729 LINE COUNT: 00061

38/3,AB/13 (Item 5 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2001 The Gale Group. All rts. reserv.

08844652 SUPPLIER NUMBER: 18335389 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Cable dangles technology before agencies. (cable-television advertising)

Moss, Linda

Multichannel News, v17, n14, p20(1)

April 1, 1996

ISSN: 0276-8593

LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT: 678

LINE COUNT: 00055

38/3,AB/14 (Item 6 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2001 The Gale Group. All rts. reserv.

07241705 SUPPLIER NUMBER: 15380249

(USE FORMAT 7 OR 9 FOR FULL TEXT)

Home shopping for the family car?

Moss, Linda

Multichannel News, v15, n15, p16A(4)

April 11, 1994

ISSN: 0276-8593

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 2475

LINE COUNT: 00208

File 350:Derwent WPIX 1963-2000/UD,UM &UP=200106
(c) 2001 Derwent Info Ltd
File 344:CHINESE PATENTS ABS APR 1985-2001/JAN
(c) 2001 EUROPEAN PATENT OFFICE
File 347:JAPIO Oct 1976-2000/Jul(UPDATED 001114)
(c) 2000 JPO & JAPIO

Set	Items	Description
S1	1	AU=ZEANAH J?
S2	20	AU=ABBOTT C?
S3	274391	FINANC? OR DELIVER? OR ATM? ? OR AUTOMATIC()TELLER()MACHIN- E?
S4	1	S2 AND S3
S5	0	S4 NOT S1
S6	11	AU=BOYD N?
S7	4	S6 AND S3
S8	3	S7 NOT (S1 OR S2)
S9	262	AU=COHEN A?
S10	6	S9 AND S3
S11	5	S10 NOT (S1 OR S2 OR S6)
S12	493	AU=COOK J?
S13	31	S12 AND S3
S14	30	S13 NOT (S1 OR S2 OR S6 OR S9)
S15	30	IDPAT (sorted in duplicate/non-duplicate order)
S16	30	IDPAT (primary/non-duplicate records only)
S17	4	AU=GRANDCOLAS M?
S18	2	S17 NOT (S1 OR S2 OR S6 OR S9 OR S12)
S19	56	AU=LAN S?
S20	1	S3 AND S19
S21	0	S20 NOT (S1 OR S2 OR S6 OR S9 OR S12 OR S17)
S22	20	AU=LINDSLEY B?
S23	19	S22 NOT (S1 OR S2 OR S6 OR S9 OR S12 OR S17 OR S19)
S24	19	IDPAT (sorted in duplicate/non-duplicate order)
S25	9	AU=MARKARIAN G?
S26	8	S25 NOT (S1 OR S2 OR S6 OR S9 OR S12 OR S17 OR S19 OR S22)
S27	8	IDPAT (sorted in duplicate/non-duplicate order)
S28	7	IDPAT (primary/non-duplicate records only)
S29	30	AU=MOSS L?
S30	28	S29 NOT (S1 OR S2 OR S6 OR S9 OR S12 OR S17 OR S19 OR S22 - OR S25)
S31	28	IDPAT (sorted in duplicate/non-duplicate order)
S32	27	IDPAT (primary/non-duplicate records only)
S33	113	PA=CITIBANK?
S34	60	PA=CITICORP?
S35	170	S33 OR S34
S36	65	S3 AND S35
S37	93396	WEB? OR WWW OR WORLD()WIDE()WEB?
S38	4	S36 AND S37
S39	4	IDPAT (sorted in duplicate/non-duplicate order)

1/3,AB/1 (Item 1 from File: 350)
DIALOG(R) File 350:Derwent WPIX
(c) 2001 Derwent Info Ltd. All rts. reserv.

011855580

WPI Acc No: 1998-272490/199824

XRFX Acc No: N98-213879

Delivery system for providing financial services to remote devices such as personal computers, screen phones - selects dialogue component which collects information to perform function, and then passes information to transaction executor component which carries out function

Patent Assignee: CITICORP DEV CENT INC (CITI-N); CITICORP DEV CENT (CITI-N)

Inventor: ABBOTT C; BOYD N; COHEN A; COOK J; GRANDCOLAS M; LAN S; LINDSLEY B; MARKARIAN G; MOSS L; **ZEANAH J**

Number of Countries: 079 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9819278	A2	19980507	WO 97US18702	A	19971031	199824 B
AU 9850809	A	19980522	AU 9850809	A	19971031	199840
US 5933816	A	19990803	US 9629209	A	19961031	199937
			US 97908413	A	19970807	
EP 1010113	A2	20000621	EP 97913679	A	19971031	200033
			WO 97US18702	A	19971031	

Priority Applications (No Type Date): US 97908413 A 19970807; US 9629209 A 19961031

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 9819278	A2	E	66	G07F-000/00	
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Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW

Designated States (Regional): AT BE CH DE DK EA ES FI FR GB GH GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW

AU 9850809	A			G07F-019/00	Based on patent WO 9819278
------------	---	--	--	-------------	----------------------------

US 5933816	A			G06F-017/60	Provisional application US 9629209
------------	---	--	--	-------------	------------------------------------

EP 1010113	A2	E		G06F-017/60	Based on patent WO 9819278
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Designated States (Regional): AL AT BE CH DE DK ES FI FR GB GR IE IT LI LT LU LV MC NL PT RO SE SI

Abstract (Basic): WO 9819278 A

A delivery system (10) allows a financial institution to provide financial services to customers using remote devices such as a personal computer (18), a screen phone (14) and an automated teller machine (16). Services can also be provided internally to the financial institution via staff terminals (26) and externally to an on-line service provider (22) for transmission over the World Wide Web to more remote devices (24).

The system consists of independent modular components. A dialogue component collects information from the user, a rule broker component provides answers to various legal and regulatory rules for a particular country, a language man component selects the appropriate language, a transaction executor component performs the function requested by the user, and a presentation manager component formats the user output.

USE - Also for transferring data to automatic teller machine. For replying to customer or member of staff who requests function from remote device.

ADVANTAGE - As system consists of separate independent components, development and maintenance times are substantially reduced. Also can interconnect and communicate with systems in other countries.

Dwg.1/22

4/3,AB/1 (Item 1 from File: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2001 Derwent Info Ltd. All rts. reserv.

011855580

WPI Acc No: 1998-272490/199824

XRPX Acc No: N98-213879

Delivery system for providing financial services to remote devices such as personal computers, screen phones - selects dialogue component which collects information to perform function, and then passes information to transaction executor component which carries out function
Patent Assignee: CITICORP DEV CENT INC (CITI-N); CITICORP DEV CENT (CITI-N)
Inventor: ABBOTT C ; BOYD N; COHEN A; COOK J; GRANDCOLAS M; LAN S; LINDSLEY B; MARKARIAN G; MOSS L; ZEANAH J

Number of Countries: 079 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9819278	A2	19980507	WO 97US18702	A	19971031	199824 B
AU 9850809	A	19980522	AU 9850809	A	19971031	199840
US 5933816	A	19990803	US 9629209	A	19961031	199937
			US 97908413	A	19970807	
EP 1010113	A2	20000621	EP 97913679	A	19971031	200033
			WO 97US18702	A	19971031	

Priority Applications (No Type Date): US 97908413 A 19970807; US 9629209 A 19961031

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 9819278	A2	E	66	G07F-000/00	
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Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW

Designated States (Regional): AT BE CH DE DK EA ES FI FR GB GH GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW

AU 9850809	A			G07F-019/00	Based on patent WO 9819278
------------	---	--	--	-------------	----------------------------

US 5933816	A			G06F-017/60	Provisional application US 9629209
------------	---	--	--	-------------	------------------------------------

EP 1010113	A2	E		G06F-017/60	Based on patent WO 9819278
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Designated States (Regional): AL AT BE CH DE DK ES FI FR GB GR IE IT LI LT LU LV MC NL PT RO SE SI

Abstract (Basic): WO 9819278 A

A **delivery** system (10) allows a **financial** institution to provide **financial** services to customers using remote devices such as a personal computer (18), a screen phone (14) and an automated teller machine (16). Services can also be provided internally to the **financial** institution via staff terminals (26) and externally to an on-line service provider (22) for transmission over the World Wide Web to more remote devices (24).

The system consists of independent modular components. A dialogue component collects information from the user, a rule broker component provides answers to various legal and regulatory rules for a particular country, a language man component selects the appropriate language, a transaction executor component performs the function requested by the user, and a presentation manager component formats the user output.

USE - Also for transferring data to **automatic teller machine**. For replying to customer or member of staff who requests function from remote device.

ADVANTAGE - As system consists of separate independent components, development and maintenance times are substantially reduced. Also can interconnect and communicate with systems in other countries.

Dwg.1/22

8/3,AB/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2001 Derwent Info Ltd. All rts. reserv.

013111502

WPI Acc No: 2000-283373/200024

XRPX Acc No: N00-213304

Data transmission in global data networking involves determining source identifier and sequence number field lengths at destination terminal for recording source identifier and sequence number in data packets

Patent Assignee: TELEDESIC LLC (TELE-N)

Inventor: **BOYD N D T** ; BRESLOW N J; TORLUEMKE G A

Number of Countries: 087 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200016520	A2	20000323	WO 99US20966	A	19990910	200024 B
AU 9960363	A	20000403	AU 9960363	A	19990910	200034

Priority Applications (No Type Date): US 98151994 A 19980911

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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WO 200016520	A2 E	61	H04L-012/00	
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Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN
CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP
KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG
SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
IE IT KE LS LU MC MW NL OA PT SD SE SL SZ UG ZW

AU 9960363	A		H04L-012/00	Based on patent: WO 200016520
------------	---	--	-------------	-------------------------------

Abstract (Basic): WO 200016520 A2

Abstract (Basic):

NOVELTY - A request is sent from source to destination terminal, for mutual connection. Source identifier and sequence number field lengths are determined at destination terminal for recording source identifier and sequence number in data packets. A connection reply is sent from the destination to source terminal. Data packets with identifier and sequence number is sent from source to destination terminal.

USE - For use in global data networking.

ADVANTAGE - If the secondary data packets originate under transmission protocol that does not guarantee in-order **delivery** of data packets, the original ordering of the data packets need not be preserved.

DESCRIPTION OF DRAWING(S) - The figure illustrates data packet configuration.

pp; 61 DwgNo 4/16

8/3,AB/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2001 Derwent Info Ltd. All rts. reserv.

012767723

WPI Acc No: 1999-573843/199949

XRPX Acc No: N99-423129

Addition of new application managing method e.g. for multifunction smartcard for card holder

Patent Assignee: CITICORP DEV CENT INC (CITI-N)

Inventor: **BOYD N** ; GUZMAN M A; PAN J C; PINN F; SMUSHKOVICH Y

Number of Countries: 027 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 949595	A2	19991013	EP 99200967	A	19990326	199949 B
JP 11345266	A	19991214	JP 9985526	A	19990329	200009
BR 9901213	A	20000111	BR 991213	A	19990330	200020

Priority Applications (No Type Date): US 9879803 A 19980330

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
EP 949595 A2 E 20 G07F-007/10
Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
LI LT LU LV MC MK NL PT RO SE SI
JP 11345266 A 69 G06F-017/60
BR 9901213 A G07F-007/10

Abstract (Basic): EP 949595 A2

Abstract (Basic):

NOVELTY - The method involves installing a monitor application for the new application on a microcomputer of the smartcard. Downloading of the new application is authorized by the monitor application and by a master application resident on the smartcard. The new application is downloaded to the smartcard microcomputer.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for a system for securely adding a new application to a multifunction smartcard for a cardholder.

USE - For multifunction smartcard for card holder.

ADVANTAGE - Allows cardholders to carry less cash and affords cardholders nomadic access to **financial** and other services at any time or place and via any device.

DESCRIPTION OF DRAWING(S) - The figure shows a schematic diagram which shows an overview of examples of the key components and the flow of information between the key components of the system for an embodiment of the invention.

pp; 20 DwgNo 1/4

8/3,AB/3 (Item 1 from file: 347)

DIALOG(R)File 347:JAPIO

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06403611

METHOD AND SYSTEM FOR MANAGING APPLICATION FOR MULTI-FUNCTION SMART CARD

PUB. NO.: 11-345266 [JP 11345266 A]
PUBLISHED: December 14, 1999 (19991214)
INVENTOR(s): PAN JACK C
GUZMAN MARC A
BOYD NIK
SMUSHKOVICH YOSIF
PINN FRED

APPLICANT(s): CITICORP DEV CENTER INC
APPL. NO.: 11-085526 [JP 9985526]
FILED: March 29, 1999 (19990329)
PRIORITY: 79803 [US 79803], US (United States of America), March 30, 1998 (19980330)

ABSTRACT

PROBLEM TO BE SOLVED: To allow a card owner to easily access **financing** and other services by installing a monitor application on a master card, authenticating download of a new application and downloading the new application to the master card.

SOLUTION: A card owner 24 selects one applet from an applet list. When a monitor application for the selected applet does not exist on a card 2, a new applet is downloaded from an applet server in an electronic customized depot 26. When the new monitor application is added to the card 2, it is initialized by plural necessary keys obtained from a security server in the depot 26. And, the selected applet is downloaded from the applet server and is installed by using a security mechanism of the monitor application and, e.g. a gatekeeper function.

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11/3,AB/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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011056130

WPI Acc No: 1997-034055/199703

XRFX Acc No: N97-028734

Bone cavity sealing gasket for fitting over resected end of bone to be provided with bone cement - has sealing plate with resiliently deformable material on lower face, opening, and plug received into opening having injection port aligned with opening in sealing plate

Patent Assignee: DEPUY INT LTD (DEPU-N); DEPUY INT (DEPU-N)

Inventor: COHEN A M ; NAYBOUR J

Number of Countries: 021 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9638104	A1	19961205	WO 96GB1241	A	19960523	199703 B
AU 9657749	A	19961218	AU 9657749	A	19960523	199714
EP 828464	A1	19980318	EP 96914350	A	19960523	199815
			WO 96GB1241	A	19960523	
US 5980527	A	19991109	WO 96GB1241	A	19960523	199954
			US 98978990	A	19980501	
EP 828464	B1	20000913	EP 96914350	A	19960523	200046
			WO 96GB1241	A	19960523	
DE 69610305	E	20001019	DE 610305	A	19960523	200060
			EP 96914350	A	19960523	
			WO 96GB1241	A	19960523	

Priority Applications (No Type Date): GB 9510917 A 19950530

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9638104 A1 E 24 A61F-002/46

Designated States (National): AU CA JP US

Designated States (Regional): AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

AU 9657749 A A61F-002/46 Based on patent WO 9638104

EP 828464 A1 E A61F-002/46 Based on patent WO 9638104

Designated States (Regional): DE ES FR GB IT SE

US 5980527 A A61B-017/58 Based on patent WO 9638104

EP 828464 B1 E A61F-002/46 Based on patent WO 9638104

Designated States (Regional): DE ES FR GB IT SE

DE 69610305 E A61F-002/46 Based on patent EP 828464

Based on patent WO 9638104

Abstract (Basic): WO 9638104 A

The bone cavity sealing gasket includes a sealing plate (10) which has a quantity of a resiliently deformable material on its lower face to enable a seal to be created between the plate and the upper edge of the bone, and an opening (12) extending through it.

A plug (30) can be received in the opening in the sealing plate. The plug has an injection port (32) extending through it aligned with the opening in the sealing plate in which the injection nozzle (16) of bone cement **delivery** device can be received.

USE/ADVANTAGE - In hip, knee, and shoulder replacement etc. Sealing plate can remain in place on the resected end of the bone after injection of the bone cement, and while the prosthesis is located into the cavity. This ensures that the injected bone cement remains undisturbed.

Dwg.7/8

11/3,AB/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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009674339

WPI Acc No: 1993-367892/199346

Related WPI Acc No: 1992-216342; 1993-367893; 1994-216638; 1995-357524;

1996-049049; 1996-187336; 1996-259084; 1996-341101
XRAM Acc No: C93-163275

Aluminium substrate having solid adsorbent absorbed on it - prepd. by heating surface and contacting with slurry contg. solid adsorbent comprising molecular sieves and/or activated alumina

Patent Assignee: UOP (UNVO)

Inventor: BEHAN A S; COHEN A P ; DUNNE S R; MCKEON M J

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5260242	A	19931109	US 89386319	A	19890728	199346 B
			US 92846093	A	19920305	
			US 92984644	A	19921202	

Priority Applications (No Type Date): US 89386319 A 19890728; US 92846093 A 19920305; US 92984644 A 19921202

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5260242	A	7	B01J-020/18	Div ex application US 89386319 Div ex application US 92846093 Div ex patent US 5120694

Abstract (Basic): US 5260242 A

Aluminium substrate surface having a solid adsorbent selected from crystalline molecular sieves, activated alumina and mixts. as a coating is prepd. by:

(a) heating the surface in an oxygen-contg. atm . of at least 200 deg. C and sufficient to enable bonding of the solid adsorbent to the surface; and (b) contacting the surface with a slurry comprising the solid adsorbent and a binder selected from volclay, kaolin, sepiolite, attapulgite, silicates, aluminates, activated alumina and mixts. in a suspending liq. to form a slurry-coated surface and removing sufficient liq. to form an adsorbent coating.

The adsorbent is pref. selected from Zeolite A, Zeolite X, Zeolite Y and mixts.

USE/ADVANTAGE - Provides adsorbent-substrate composites where solid adsorbents are bonded to aluminium substrates. These composites form coatings that have improved adsorption properties over pelleted or beaded adsorbent particles as well as excellent physical and thermal cycling properties.

Dwg.0/0

11/3,AB/3 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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008351179

WPI Acc No: 1990-238180/199031

XRAM Acc No: C90-103021

XRPX Acc No: N90-184715

Granulating used articles made of plastic or thin aluminium - in which articles are fed through chute to auger screw which crushes them and feeds them to cutting chamber

Patent Assignee: BROWN J INC (BROW-N)

Inventor: COHEN A L ; DUMAINE T J; PICARELLO V N

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4932595	A	19900612	US 89313509	A	19890222	199031 B

Priority Applications (No Type Date): US 89313509 A 19890222

Abstract (Basic): US 4932595 A

Apts. for granulating plastic articles (B) comprises: (a) a substantially enclosed cutting chamber (20), (b) rotatable cutting knives (33) within the chamber (20) cooperating with a fixed cutting knife (44), (c) a rotatable auger screw (62) for feeding the articles

through an enclosure (108) and into the chamber (20), (d) chute (108) for feeding the articles to the screw (62), and (e) article engaging walls (112,114) whereby the articles are crushed while being **delivered** to the screw (62).

USE/ADVANTAGE - The invention relates esp. to appts. for comminuting used plastic bottles or thin aluminium containers, the appts. being installed where the filled containers are sold. The appts. is easily and reliably operated and can be used where space considerations are important. (7pp Dwg.No.2/5

11/3,AB/4 (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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008206321
WPI Acc No: 1990-093322/199013
XRAM Acc No: C90-040846
XRPX Acc No: N90-072042

Acupuncture needle with reservoir in handle - delivering drug through bore of needle

Patent Assignee: COHEN A (COHE-I)
Inventor: **COHEN A**
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
FR 2635003	A	19900209	FR 8810774	A	19880805	199013 B

Priority Applications (No Type Date): FR 8810774 A 19880805

Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
FR 2635003 A 6

Abstract (Basic): FR 2635003 A

An acupuncture needle has a hollow needle, a handle, and a reservoir in the handle for medicament **delivered** through the needle. The handle is pref. covered by a wire around it with adjacent, overlapping, or spaced turns. The reservoir is pref. either within the thickness of the handle or is interchangeable. The needle pref. penetrates into the reservoir.

USE - Used for treatment with vitamins.
3/3

11/3,AB/5 (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2001 Derwent Info Ltd. All rts. reserv.

004278283
WPI Acc No: 1985-105161/198518
XRAM Acc No: C85-045689

Anaerobic waste water fermentation in two-stage process - with hydrolysis and screening in first stage

Patent Assignee: GIST-BROCADES NV (KONN)
Inventor: **COHEN A**
Number of Countries: 023 Number of Patents: 017
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
AU 8432363	A	19850314	AU 8432363	A	19840824	198518 B
NL 8303129	A	19850401	NL 833129	A	19830909	198518
PT 79153	A	19850322				198518
NO 8403543	A	19850401				198520
EP 142873	A	19850529	EP 84201276	A	19840905	198522
ZA 8407009	A	19850308	ZA 847009	A	19840906	198523
FI 8403473	A	19850310				198525
DK 8404302	A	19850310				198526
JP 60118293	A	19850625	JP 84189473	A	19840910	198531
ES 8600169	A	19860101	ES 535686	A	19840905	198613

US 4652374	A	19870324	US 84648194	A	19840907	198714
JP 87023638	B	19870525				198724
IL 72727	A	19870831				198745
KR 8700606	B	19870325				198745
EP 142873	B	19871119				198746
DE 3467591	G	19771223				198801
CA 1251290	A	19890314				198915

Priority Applications (No Type Date): NL 833129 A 19830909

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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AU 8432363	A		27		
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EP 142873	A	E			
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Designated States (Regional): AT BE CH DE FR GB IT LI LU NL SE

EP 142873	B	E			
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Designated States (Regional): AT BE CH DE FR GB IT LI LU NL SE

Abstract (Basic): AU 8432363 A

Waste water contg. solid organic matter is subjected to a two-stage anaerobic fermentation process. In the first stage, it is hydrolysed and acidified whereas, in the second stage, methane fermentation takes place. Periodically, the material in the first stage is stirred and screened to remove smaller particles and liq. The liq. is **delivered** to the methane fermenter and the small particles are discharged or recirculated.

USE/ADVANTAGE - The process ferments wastes containing leaves, grasses or waste from vegetables and fruit. Large particles of organic waste remain in the first stage until their size is less than 1mm.

0/3

Abstract (Equivalent): EP 142873 B

Process for the anaerobic fermentation of solid organic wastes in water in two phases, a hydrolysis/acidification phase and a methane fermentation phase, characterised in that solid organic waste to be treated is introduced in a reaction space of the first phase, of which waste at least 80% of the volume has a particle size, larger than x, x being between 0.25 and 1.5mm dependent on the introduced solid organic waste, and that the waste in that reaction space is continuously or periodically agitated and is screened for the removal of particles smaller than x with liquid, whereafter the smaller particles are separated from the liquid and the so-separated liquid is at least mainly supplied to the methane fermentation space, while the separated smaller particles are recirculated to the first phase reactor and/or discharged. (14pp)

Abstract (Equivalent): US 4652374 A

Process for anaerobic fermentation of solid organic wastes in water, comprises a first hydrolysis-acidification stage of waste of particle size above 0.25-1 mm, which is stirred and screened to separate the particles from the liq. for return to the first stage.

The sepd. liq. is supplied to a second methane fermentation phase, pref. from which at least some effluent is returned to the first stage.

USE/ADVANTAGE - Fast fermentation times for organic plant, vegetable or fruit waste. (9pp)

16/3,AB/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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013270550

WPI Acc No: 2000-442456/200038

XRAM Acc No: C00-134597

XRPX Acc No: N00-330136

**Etching dielectric layers in a high-density plasma etcher by pulse
applying a transformer-coupled plasma power source**

Patent Assignee: LAM RES CORP (LAMR-N)

Inventor: COOK J M ; HUDSON E A; MAYNARD H L; WINNICZEK J W

Number of Countries: 002 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200036638	A1	20000622	WO 99US29532	A	19991213	200038 B

Priority Applications (No Type Date): US 98215020 A 19981217

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200036638	A1	E	35	H01L-021/311	

Designated States (National): JP KR

Abstract (Basic): WO 200036638 A1

Abstract (Basic):

NOVELTY - Dielectric layers are etched in a high density plasma etcher (200) by pulse applying a transformer-coupled plasma (TCP) power source (204) to define contact(s) via hole over the diffusion regions while substantially reducing damage to the transistor gate oxides of the transistor device.

DETAILED DESCRIPTION - A method for etching dielectric layers in a high density plasma etcher comprises:

(a) providing a wafer (220) having a dielectric layer disposed over transistor devices including transistor gate oxides and gate electrodes, and diffusion regions;

(b) forming a photoresist mask over the dielectric layer to define contact(s) via hole over the diffusion regions; (c) inserting the wafer into the high density plasma etcher;

(d) setting up gas flow, temperature and pressure conditions within the etcher;

(e) pulse applying TCP power source of the etcher; and (f) applying a radio frequency (RF) bias (206) to a bottom electrode of the etcher.

An INDEPENDENT CLAIM is also included for a high-density etching system for etching layers of a semiconductor wafer comprising:

(i) a chamber (202) including a TCP source and a bias source having a surface for supporting the wafer; and (ii) TCP source and bias power controller.

USE - The method is used for etching dielectric layers of a semiconductor wafer.

ADVANTAGE - The invention reduces damage to the transistor gate oxides of the transistor device.

DESCRIPTION OF DRAWING(S) - The figure illustrates a simplified diagram of a high-density plasma etcher including an inductively coupled plasma source.

High density plasma etcher (200)

Chamber (202)

TCP source (204)

RF bias (206)

Wafer (220)

pp; 35 DwgNo 2A/6

16/3,AB/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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013052324

WPI Acc No: 2000-224179/200019

XRAM Acc No: C00-068360

New protein delivery system useful for treatment and diagnosis of papillomavirus infection, comprises fusing protein to a human papillomavirus-like particles

Patent Assignee: MERCK & CO INC (MERI)

Inventor: COOK J C ; JANSEN K U; JOYCE J G; LING J C; LOWE R S; MCCLEMENTS W L; NEEPER M P

Number of Countries: 087 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200009157	A1	20000224	WO 99US17931	A	19990810	200019 B
AU 9954699	A	20000306	AU 9954699	A	19990810	200030

Priority Applications (No Type Date): US 9896638 A 19980814

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200009157 A1 E 26 A61K-039/12

Designated States (National): AE AL AM AU AZ BA BB BG BR BY CA CN CR CU CZ DM EE GD GE HR HU ID IL IN IS JP KG KR KZ LC LK LR LT LV MD MG MK MN MX NO NZ PL RO RU SG SI SK TJ TM TR TT UA US UZ VN YU ZA

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ UG ZW

AU 9954699 A A61K-039/12 Based on patent WO 200009157

Abstract (Basic): WO 200009157 A1

Abstract (Basic):

NOVELTY - Delivering a peptide or a protein (I) to a cell, is new and comprises fusing a nucleic acid encoding (I) to a nucleic acid encoding modified human papillomavirus (HPV) L2 protein, expressing the fusion protein in a host cell, contacting it with HPV L1 to form a virus-like particle and **delivering** it to the cell.

DETAILED DESCRIPTION - Delivering a peptide or a protein (I) to a cell, is new and comprises:

(1) fusing a first nucleic acid encoding (I) to a nucleic acid encoding modified human papillomavirus (HPV) L2 protein to create a fusion gene, where the L2 portion is less than a full length L2 gene but encodes domains from the amino and carboxy termini;

(2) expressing the fusion protein in a host cell to obtain the fusion protein;

(3) contacting the fusion protein with HPV L1 so that the fusion protein and the L1 protein spontaneously combine to form a virus-like particle (VLP); and

(4) **delivering** the VLP to the cell.

INDEPENDENT CLAIMS are also included for the following:

(1) a nucleic acid (II) encoding a fusion protein comprising a segment (S1) having a nucleic acid encoding a portion of an HPV L2 protein which is less than a full-length sequence, and another segment (S2) having a nucleic acid encoding a protein;

(2) a HPV virus-like particle (VLP) (III) comprising HPV L1 protein and a fusion protein having a protein (P1) is an HPV L2 protein which is less than about 50% of wild-type and a second protein (P2);

(3) a host cell (IV) comprising (III);

(4) a vaccine (V) comprising (III); and

(5) a nucleic acid (VI) encoding (III).

ACTIVITY - Antiviral.

MECHANISM OF ACTION - Vaccine.

USE - Modified VLPs are useful for treating and diagnosing papillomavirus infections. Vaccines may contain DNA, RNA or proteins encoded by the DNA that contain the amino terminal and carboxy terminal portions of L2.

ADVANTAGE - L2 fusion protein retains the protein **delivery** function of a full-length L2 and can also **deliver** larger and functionally-active proteins. The fusion partner may be a large protein which allows for the introduction of most proteins and makes the **delivery** system particularly useful, not only for HPV-related proteins, but also for proteins which are not associated with treatment of HPV disease.

pp; 26 DwgNo 0/4

16/3,AB/3 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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012783855

WPI Acc No: 1999-590081/199950

XRPX Acc No: N99-435144

Electric vacuum regulator valve for use in automotive emission control devices such as exhaust gas recirculation valves, particularly in diesel engines

Patent Assignee: SIEMENS CANADA LTD (SIEI)

Inventor: COOK J E

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5967172	A	19991019	US 9758152	A	19970908	199950 B
			US 9866131	A	19980424	

Priority Applications (No Type Date): US 9758152 A 19970908; US 9866131 A 19980424

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5967172	A		8	G05B-011/48	Provisional application US 9758152

Abstract (Basic): US 5967172 A

Abstract (Basic):

NOVELTY - The valve has an enclosure (8) with an interior space with an inlet port (16) connected to a vacuum source, a vent port and an outlet port (18). A valve mechanism (26) controlled by a solenoid assembly (24) moves seated and unseated positions to close and open a vent path from the interior space to the vent port through a filter (22) so as to regulate the vacuum at the outlet port.

DETAILED DESCRIPTION - The valve has an enclosure containing an interior space and a solenoid assembly with an inlet port communicating the interior space to a vacuum source, a vent port through which vacuum can be vented from the interior space and an outlet port through which regulated vacuum can be supplied from the interior space. A valve mechanism has a valve and a seat (40) that are relatively selectively positionable by the solenoid assembly, with the seat comprising a continuous annular seat surface which circumscribes a vent path from the interior space to the vent port and with respect to which the valve selectively seats and unseats to correspondingly close and open the vent path to selectively vent the interior space to regulate vacuum at the outlet port.

The seat also has a further surface that is disposed within the continuous annular seat surface and against which the valve also engages when in the closed position. A groove (78) that separates the two surfaces of the seat is vented to the interior space by through holes in the valve element.

USE - For use in emission control devices such as exhaust gas recirculation valves in motor vehicle internal combustion engines, particularly diesel engines.

ADVANTAGE - The valve is capable of **delivering** higher regulated vacuum, such as may be required in diesel engine applications, without experiencing undesirable drift as the valve is cycled, increased wear or instability.

DESCRIPTION OF DRAWING(S) - A sectional view of the electric vacuum regulator valve.

- Enclosure (8)
- Inlet port (16)
- Outlet port (18)
- Filter leading to vent port (22)
- Solenoid assembly (24)
- Valve mechanism (26)
- Valve seat (40)
- Groove (78)

16/3,AB/4 (Item 4 from file: 350)
 DIALOG(R)File 350:Derwent WPIX
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012720473

WPI Acc No: 1999-526585/199944

XRPX Acc No: N99-389953

Vapor recovery control system for use in a v-type direct injection spark ignition engine with first and second sets of cylinders

Patent Assignee: FORD GLOBAL TECHNOLOGIES INC (FORD)

Inventor: COOK J A ; SIVASHANKAR N; SUN J

Number of Countries: 027 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5950603	A	19990914	US 9874749	A	19980508	199944 B
EP 962647	A2	19991208	EP 99303618	A	19990510	200002
JP 11336589	A	19991207	JP 99125931	A	19990506	200008

Priority Applications (No Type Date): US 9874749 A 19980508

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5950603	A		8	F02M-037/04	
EP 962647	A2 E			F02M-025/08	

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT

LI LT LU LV MC MK NL PT RO SE SI

JP 11336589 A 7 F02D-041/02

Abstract (Basic): US 5950603 A

Abstract (Basic):

NOVELTY - The system includes a vapor recovery system (30) coupled to the engine via a control valve (32) for **delivering** purge vapor to the first set of cylinders (14). A controller (12) actuates the control valve in response to a purge signal, whereupon the first set of cylinders are operated in a homogeneous mode of operation while the second set of cylinders (16) are operated in a stratified mode of operation.

DETAILED DESCRIPTION - During the homogeneous mode of operation, a homogeneous mixture of air and fuel is injected into the first cylinder bank during the intake stroke while in the stratified mode of operation a stratified mixture of air and fuel is injected into the second set of cylinders during the compression stroke. The controller adjusts the engine operating conditions to maintain a homogeneous torque generated by the first set of cylinders equal to the stratified torque generated by the second set of cylinders.

An INDEPENDENT CLAIM is included for a vapor recovery method for a vapor recovery system coupled to a spark ignition engine.

USE - For use in direct injection v-type spark ignition engines (claimed).

ADVANTAGE - The system enables vapors to be purged in both homogeneous and stratified modes of operation, thereby enabling the fuel economy of stratified mode operation to be maintained while purging of fuel vapor is required. By operating one set of cylinders in a homogeneous mode while the fuel vapor is being purged, hydrocarbon emissions due to the purging are controlled.

DESCRIPTION OF DRAWING(S) - A schematic diagram of the engine and vapor recovery system.

Controller (12)

First set of cylinders (14)

Second set of cylinders (16)

Vapor recovery canister (30)

Control valve (32)

pp; 8 DwgNo 1/6

012687957

WPI Acc No: 1999-494066/199941

XRAM Acc No: C99-144763

Inhibiting platelet aggregation in mammals, produces reduced prolongation of bleeding time

Patent Assignee: MERCK & CO INC (MERI)

Inventor: COOK J J ; GOULD R J; SAX F L

Number of Countries: 084 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9938827	A1	19990805	WO 99US2035	A	19990129	199941 B
AU 9923506	A	19990816	AU 9923506	A	19990129	200002
US 6136794	A	20001024	US 9873426	A	19980202	200055
			US 99240429	A	19990129	
EP 1068172	A1	20010117	EP 99903499	A	19990129	200105
			WO 99US2035	A	19990129	

Priority Applications (No Type Date): GB 989793 A 19980507; US 9873426 A 19980202; US 99240429 A 19990129

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9938827 A1 E 27 C07C-031/725

Designated States (National): AL AM AU AZ BA BB BG BR BY CA CN CU CZ EE GD GE HR HU ID IL IN IS JP KG KR KZ LC LK LR LT LV MD MG MK MN MX NO NZ PL RO RU SG SI SK SL TJ TM TR TT UA US UZ VN YU

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW

AU 9923506 A C07C-031/725 Based on patent WO 9938827

US 6136794 A A61K-031/725 Provisional application US 9873426

EP 1068172 A1 E C07C-031/00 Based on patent WO 9938827

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MK NL PT RO SE SI

Abstract (Basic): WO 9938827 A1

Abstract (Basic):

NOVELTY - Inhibiting platelet aggregation in mammals comprises administration of:

- (a) GpIIb/IIIa receptor antagonist or its salts; and
- (b) low molecular weight heparin (LMWH).

ACTIVITY - Antithrombotic; cardioprotective; anti-ischemic; anti-angina.

MECHANISM OF ACTION - GpIIb/IIIa receptor antagonist; platelet aggregation inhibition; anticoagulant.

USE - For reducing the risk of acute coronary ischemic syndrome in at-risk patients (claimed). For patients in which prevention of thrombosis by inhibition of fibrinogen binding to platelet membrane glycoprotein complex IIb/IIIa is desired e.g. in surgery on peripheral arteries (arterial grafts, carotid endarterectomy) for treatment of peripheral vascular diseases, and cardiovascular surgery where manipulation of arteries and organs and/or interaction of platelets with artificial surfaces leads to platelet aggregation and consumption, in order to prevent formation of thrombi and thromboemboli. For treating stroke, carotid percutaneous transluminal coronary revascularization and patients with acute coronary ischemic syndromes (unstable angina, subsequent myocardial infarction (MI)) and to prevent platelet thrombosis, thromboembolism and reocclusion during and after thrombolytic therapy and after angioplasty or coronary artery bypass procedures, or to improve outcomes following stent implantation. The method may be used in combination with other anticoagulants including thrombin inhibitors (heparin), Factor Xa inhibitors (warfarin), tissue factor pathway inhibitors and thrombin receptor antagonists, thrombolytic agents (streptokinase and tissue plasminogen activator) and platelet aggregation agents (aspirin and dipyridamole).

ADVANTAGE - Produces reduced prolongation of bleeding time experienced with prior art methods.

16/3,AB/6 (Item 6 from file: 350)
 DIALOG(R)File 350:Derwent WPIX
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012314913

WPI Acc No: 1999-121019/199910

Related WPI Acc No: 1999-121016; 1999-121017; 1999-121018

XRPX Acc No: N99-088222

Internal combustion engine assembly - has purge valve disposed in external space mounted on wall, of intake manifold, separating internal manifold space from external space and also has engine management computer to supply purge control output signal

Patent Assignee: SIEMENS CANADA LTD (SIEI)

Inventor: BALSDON D W; BUSATO M F; COOK J E

Number of Countries: 079 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9902848	A1	19990121	WO 98CA654	A	19980706	199910 B
AU 9882026	A	19990208	AU 9882026	A	19980706	199924
EP 923670	A1	19990623	EP 98931860	A	19980706	199929
			WO 98CA654	A	19980706	

Priority Applications (No Type Date): US 9830237 A 19980225; US 9751906 A 19970708; US 9758077 A 19970905; US 9758316 A 19970909

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9902848 A1 E 44 F02M-035/10

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

AU 9882026 A F02M-035/10 Based on patent WO 9902848

EP 923670 A1 E F02M-035/10 Based on patent WO 9902848

Designated States (Regional): DE FR GB IT

Abstract (Basic): WO 9902848 A

The assembly of an internal combustion engine comprises a plastic intake manifold having a wall that separates internal manifold space from an external space, and a fuel vapor purge valve mounted on the intake manifold and comprising an inlet port and an outlet port. The inlet port communicates with the external space, and the outlet port being communicated to the internal manifold space. The wall comprises an opening and the outlet port passes through the opening.

The intake manifold comprises a wall separating internal manifold space from an external space and an electrically operated fuel vapour purge valve for purging fuel vapours from an evaporative emission space of a fuel storage system for an engine. The purge valve comprises a body having an inlet port for receiving fuel vapours from the evaporative emission space and an outlet port for **delivering** fuel vapours to the internal manifold space. It has an engine management computer that receives various input signals including various engine operating parameter signals, supplies a purge control output signal for operating the purge valve by processing certain of the various input signals in accordance with certain program algorithms. There is a mount for mounting the purge valve body on the wall in the external space such that a portion of the purge valve body that contains the outlet port confronts the wall. The portion of the wall confronted by that portion of the purge valve body comprises an opening through which the outlet port communicates with the internal manifold space.

ADVANTAGE - The valve has improved noise attenuation, durability and performance

Dwg.1a/20

16/3,AB/7 (Item 7 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2001 Derwent Info Ltd. All rts. reserv.

012314912

WPI Acc No: 1999-121018/199910

Related WPI Acc No: 1999-121016; 1999-121017; 1999-121019

XRPX Acc No: N99-088221

**Internal combustion engine intake manifold - has exhaust gas
recirculation valve for recirculating engine exhaust gases and solenoid
assembly having electromagnetic coil disposed around central tubular core
of polymeric bobbin**

Patent Assignee: SIEMENS CANADA LTD (SIEI)

Inventor: BALSDON D W; BUSATO M F; COOK J E

Number of Countries: 080 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9902847	A1	19990121	WO 98CA653	A	19980706	199910 B
AU 9882025	A	19990208	AU 9882025	A	19980706	199924
EP 995029	A1	20000426	EP 98931859	A	19980706	200025
			WO 98CA653	A	19980706	
US 6152115	A	20001128	US 9751906	A	19970708	200063
			US 9758077	A	19970905	
			US 9758316	A	19970909	
			US 9830222	A	19980225	

Priority Applications (No Type Date): US 9830222 A 19980225; US 9751906 A
19970708; US 9758077 A 19970905; US 9758316 A 19970909

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9902847 A1 E 43 F02M-025/07

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU
CZ DE DK EE ES FI GB GE GH GM GW HR HU ID IL IS JP KE KG KP KR KZ LC LK
LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ
TM TR TT UA UG UZ VN YU ZW

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU
MC NL PT SE

AU 9882025 A F02M-025/07 Based on patent WO 9902847

EP 995029 A1 E F02M-025/07 Based on patent WO 9902847

Designated States (Regional): DE FR GB IT

US 6152115 A F02M-033/04 Provisional application US 9751906

Provisional application US 9758077

Provisional application US 9758316

Abstract (Basic): WO 9902847 A

The internal combustion engine intake manifold comprises a wall separating internal manifold space from an external space, a purge valve for purging fuel vapours from an evaporative emission space of a fuel storage system for the engine. The purge valve comprises a purge valve body having a purge inlet port for receiving fuel vapours from the evaporative emission space and a purge outlet port for **delivering** fuel vapours to the internal manifold space. The purge valve also includes a solenoid assembly comprising a polymeric bobbin around whose central tubular core an electromagnetic coil is disposed.

There is a purge valve mount for mounting the purge valve body on the wall external to the internal manifold space and placing the purge outlet port in communication with the internal manifold space. It also has an EGR valve for recirculating engine exhaust gases, the EGR valve comprising an EGR body, an EGR inlet port for receiving engine exhaust gases, and an EGR outlet port for **delivering** engine exhaust gases to the internal manifold space. There is an EGR valve mount for mounting the EGR valve body on the wall such that the EGR outlet port is communicated to the internal manifold space.

ADVANTAGE - The valve has improved noise attenuation, durability and performance. The internal combustion engine intake manifold comprises a wall separating internal manifold space from an external space, a purge valve for purging fuel vapours from an evaporative

emission space of a fuel storage system for the engine. The purge valve comprises a purge valve body having a purge inlet port for receiving fuel vapours from the evaporative emission space and a purge outlet port for **delivering** fuel vapours to the internal manifold space. The purge valve also includes a solenoid assembly comprising a polymeric bobbin around whose central tubular core an electromagnetic coil is disposed.

There is a purge valve mount for mounting the purge valve body on the wall external to the internal manifold space and placing the purge outlet port in communication with the internal manifold space. It also has an EGR valve for recirculating engine exhaust gases, the EGR valve comprising an EGR body, an EGR inlet port for receiving engine exhaust gases, and an EGR outlet port for **delivering** engine exhaust gases to the internal manifold space. There is an EGR valve mount for mounting the EGR valve body on the wall such that the EGR outlet port is communicated to the internal manifold space.

ADVANTAGE - The valve has improved noise attenuation, durability and performance.

Dwg.1a/20

16/3,AB/8 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012314911

WPI Acc No: 1999-121017/199910

Related WPI Acc No: 1999-121016; 1999-121018; 1999-121019

IRPX Acc No: N99-088220

Manifold mounted emission control valve and engine assembly - has exhaust gas recirculation valve mounting to wall separating internal manifold space from external space and also includes engine management computer to supply purge control output signal for operating valve

Patent Assignee: SIEMENS CANADA LTD (SIEI)

Inventor: BALSDON D W; BUSATO M F; COOK J E

Number of Countries: 079 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9902846	A1	19990121	WO 98CA652	A	19980706	199910 B
AU 9882024	A	19990208	AU 9882024	A	19980706	199924
EP 923668	A1	19990623	EP 98931858	A	19980706	199929
			WO 98CA652	A	19980706	

Priority Applications (No Type Date): US 9830240 A 19980225; US 9751906 A 19970708; US 9758077 A 19970905; US 9758316 A 19970909

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 9902846	A1	E	50	F02M-025/07	
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Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

AU 9882024	A		F02M-025/07	Based on patent WO 9902846
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EP 923668	A1	E	F02M-025/07	Based on patent WO 9902846
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Designated States (Regional): DE FR GB IT

Abstract (Basic): WO 9902846 A

The assembly comprises an internal combustion engine intake manifold and an EGR valve for recirculating engine exhaust gases into the manifold. The manifold comprises a wall separating internal manifold space from an external space, the wall comprising opposite wall portions each containing a respective through-hole. The EGR valve comprises a body having an inlet port for receiving engine exhaust gases and an outlet part for **delivering** engine exhaust gases to the internal manifold space. There is a valve mechanism for controlling the flow of exhaust gases from the inlet port to the outlet port, a first

mount mounting the valve body on the manifold wall in closure of a first of the manifold wall through-holes and disposing the outlet port in the internal manifold space, and a second mount comprising a surrounding wall in closure of a second of the manifold wall through-holes and an inlet tube that contains the inlet port. It also has an engine management computer that receives various input signals, including various engine operating parameters signals and supplies a purge control output signal for operating the purge valve.

The surrounding wall coacts with the inlet tube and the manifold wall to form an annular space that surrounds the inlet tube while leaving the inlet port open to the external space, that protrudes through the second through-hole, and that extends to at least the edge of the second through-hole.

ADVANTAGE - The EGR valve possesses more accurate and quicker response and provides improved control of tailpipe emissions, improved drivability and fuel economy.

Dwg.1a/20

16/3,AB/9 (Item 9 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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012314910

WPI Acc No: 1999-121016/199910

Related WPI Acc No: 1999-121017; 1999-121018; 1999-121019

XRPX Acc No: N99-088219

Exhaust gas recirculation valve for recirculating engine exhaust gases - has outlet port which communicates with internal manifold space and body including actuator, and also has solenoid assembly with electromagnetic coil

Patent Assignee: SIEMENS CANADA LTD (SIEI)

Inventor: BUSATO M F; COOK J E ; HUSSEY S E W; BALSDON D W

Number of Countries: 080 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9902845	A1	19990121	WO 98CA651	A	19980706	199910 B
AU 9882023	A	19990208	AU 9882023	A	19980706	199924
EP 923667	A1	19990623	EP 98931857	A	19980706	199929
			WO 98CA651	A	19980706	
US 5996559	A	19991207	US 9751906	A	19970708	200004
			US 9758077	A	19970905	
			US 9758316	A	19970909	
			US 9830237	A	19980225	
US 6073617	A	20000613	US 9751906	A	19970708	200035
			US 9758077	A	19970905	
			US 9758316	A	19970909	
			US 9830240	A	19980225	

Priority Applications (No Type Date): US 9830224 A 19980225; US 9751906 A 19970708; US 9758077 A 19970905; US 9758316 A 19970909; US 9830237 A 19980225; US 9830240 A 19980225

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9902845 A1 E 45 F02M-025/07

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

AU 9882023 A F02M-025/07 Based on patent WO 9902845

EP 923667 A1 E F02M-025/07 Based on patent WO 9902845

Designated States (Regional): DE FR GB IT

US 5996559 A F02M-033/04 Provisional application US 9751906

Provisional application US 9758077

Provisional application US 9758316

US 6073617 A F02M-025/07 Provisional application US 9751906

Abstract (Basic): WO 9902845 A

The EGR(engine exhaust recirculation) valve for recirculating engine exhaust gases comprises a body including a housing containing an actuator, an inlet port for receiving exhaust gases and an outlet port for **delivering** exhaust gases. It also has a valve mechanism comprising a valve element that is selectively positionable along an axis relative to a valve seat to control the flow of exhaust gases from the inlet port to the outlet port. It also has a solenoid assembly including a polymeric bobbin around whose central tubular core an electromagnetic coil is disposed. the solenoid assembly also includes a magnetic circuit structure for concentrating magnetic flux generated by the coil when electric current is **delivered** to the coil.

There is a mount for mounting the EGR valve comprising an annular wall transverse to the axis and having an inner margin circumscribing a hole. The housing comprises a wall seating on the transverse wall of the mount and comprising a hole aligned with the hole in the transverse wall of the mount, and a shaft passing from the actuator, through the aligned holes, to the valve element. The EGR valve also includes a bearing guide passing through the aligned holes and guiding the shaft as the shaft passes through the aligned holes.

ADVANTAGE - The valve is more compact, possesses more accurate and quicker response and also provides improved control of tailpipe emissions and fuel economy.

Dwg.1a/20

16/3,AB/10 (Item 10 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011456544

WPI Acc No: 1997-434451/199740

XRAM Acc No: C97-139345

XRPX Acc No: N97-361416

Force sensor assembly - has a retainer to hold a moving solid interface with a diaphragm floating on silicon gel to transmit pressure forces to a sensor in the housing

Patent Assignee: SENSYM INC (SENS-N)

Inventor: CARTSONAS C D; COOK J T ; SVOBODA E V

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5661245	A	19970826	US 95501821	A	19950714	199740 B

Priority Applications (No Type Date): US 95501821 A 19950714

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5661245	A	10	G01L-009/04	

Abstract (Basic): US 5661245 A

The force sensor assembly has an integrated plunger, which can be calibrated and mounted as a single unit. It has a retainer with an opening to hold a moving solid interface, held by a flange below the opening, but larger than it to hold the interface. The retainer, attached to the housing body, has a cavity filled with a silicon gel where a diaphragm floats freely in it within the housing body, in contact with the interface. Force applied to the diaphragm, from the solid interface, is transmitted to a pressure sensor at the base of the housing through the gel. A ceramic substrate, with an integrated resistor network, supports the pressure sensor and an amplifier. The pressure sensor, and its electronic components, **delivers** a conditioned electrical signal proportional to the force exerted at the solid interface.

USE - The assembly is for monitoring and control of substances and equipment, such as intravenous (IV) infusion of solutions and nutrients

through tubing and a pump. The output signals, corresponding to the IV solution pressure, can be used to calculate flow rates or check for occlusions in the IV flow path.

ADVANTAGE - The appts. is inexpensive, and has long-term reliability, and can be used without direct contact with the infused solution.

Dwg.0/12

16/3,AB/11 (Item 11 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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011099066

WPI Acc No: 1997-076991/199707

XRPX Acc No: N97-063959

Multidigit number input method for visually impaired people e.g. for customer service terminal - touching one area of touch screen number of times equal to digit then touching second location indicating completion of number and third location when all digits are entered

Patent Assignee: TRANSACTION TECHNOLOGY INC (TRAN-N)

Inventor: BLUMSTEIN P; COLE R; **COOK J** ; DOSHI A; FENSTER V; GRANDCOLAS M; GREENBERG W; GRYTE S; MCCALLICK F; MILLO P; MOSKOWITZ M; SCHECHTMAN H; SEARS M; SHULMAN S; SIDIKMAN P; VIRNIG A J; WITMAN P

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5589855	A	19961231	US 92930319	A	19920814	199707 B

Priority Applications (No Type Date): US 92930319 A 19920814

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5589855	A	13	G09G-005/00	

Abstract (Basic): US 5589855 A

The method uses a touch screen display divided into a small number of large area touch active regions. A signal representing one digit of the number is transmitted to the processor by touching a first location on the touch screen (14) a number of times equal to the digit. A signal indicating the completion of the input of the digit is transmitted by touching a second location on the touch screen one time. The process is repeated for each digit of the number. Completion of input is transmitted to the processor by touching a third location. The three areas are physically distinct areas and are disposed relative to the panel borders.

USE/ADVANTAGE - For **ATM** . Reduced accuracy required to enter value as large area quadrants are easily referenced to screen boundaries, provides audible cues to prompt user and provide feedback.

Dwg.2/7

16/3,AB/12 (Item 12 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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010865546

WPI Acc No: 1996-362497/199636

XRAM Acc No: C96-114157

Delivering electromagnetic energy into a soln. - using a water tight housing containing a coil for delivering a magnetic field, and a voltage probe for delivering an electric field.

Patent Assignee: ZPM INC (ZPMZ-N)

Inventor: **COOK J H** ; HAM H M; MATHERLY T G; MORSE D E

Number of Countries: 067 Number of Patents: 012

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9622831	A2	19960801	WO 96US1122	A	19960122	199636 B
ZA 9600592	A	19961030	ZA 96592	A	19960125	199649

AU 9649053	A	19960814	AU 9649053	A	19960122	199650
			WO 96US1122	A	19960122	
US 5606723	A	19970225	US 95378462	A	19950125	199714
EP 805715	A1	19971112	EP 96905243	A	19960122	199750
			WO 96US1122	A	19960122	
KR 98701669	A	19980625	WO 96US1122	A	19960122	199924
			KR 97705065	A	19970725	
AU 713478	B	19991202	AU 9649053	A	19960122	200008
JP 11514280	W	19991207	JP 96523031	A	19960122	200008
			WO 96US1122	A	19960122	
MX 9705685	A1	19980701	MX 975685	A	19970725	200012
NZ 302889	A	20000228	NZ 302889	A	19960122	200017
			NZ 502057	A	19960122	
			WO 96US1122	A	19960122	
AU 200010035	A	20000413	AU 200010035	A	20000111	200028 N
KR 219956	B1	19990901	WO 96US1122	A	19960122	200104
			KR 97705065	A	19970725	

Priority Applications (No Type Date): US 95554458 A 19951107; US 95378462 A 19950125; AU 200010035 A 20000111

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9622831	A2	E	69	B01J-019/08	
Designated States (National): AM AU BB BG BR BY CA CN CZ EE FI GE HU IS JP KG KP KR KZ LK LR LT LV MD MG MN MX NO NZ PL RO RU SG SI SK TJ TM TT UA US UZ VN					
Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG					
ZA 9600592	A		42	C02F-000/00	
AU 9649053	A			B01J-019/08	Based on patent WO 9622831
US 5606723	A		20	B01J-019/12	
EP 805715	A1	E		B01J-019/08	Based on patent WO 9622831
Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LI NL PT SE					
KR 98701669	A			B01J-019/08	Based on patent WO 9622831
AU 713478	B			B01J-019/08	Previous Publ. patent AU 9649053
					Based on patent WO 9622831
JP 11514280	W		94	B01J-019/08	Based on patent WO 9622831
MX 9705685	A1			B01J-019/08	
NZ 302889	A			B01J-019/12	Div ex application NZ 502057
					Div ex patent NZ 502057
					Based on patent WO 9622831
AU 200010035	A			B01J-019/12	Div ex patent AU 713478
KR 219956	B1			B01J-019/08	

Abstract (Basic): WO 9622831 A

Electromagnetic energy is **delivered** into a solution (16) by a tubular housing (14) which defines a water-tight chamber containing a coil for **delivering** a magnetic field (20) into the soln., and a voltage probe coupled to the coil for **delivering** an electric field (22) into the soln.; an electromagnetic signal (18) being coupled to the coil. Also claimed is a system for treating a soln., in which R. modulated energy is **delivered** into a first soln., a closed loop pipe recirculates the first soln. from the area in which it is treated to the vicinity of a second soln. and back again, the second soln. thereby being treated by proximity to the first soln.

USE - **Delivering** e.m. energy into a colloidal solution, e.g. of milk, wine, water, lake water, dye, ink, paper, pharmaceuticals, blood, paint, cement, to modify its characteristics.

ADVANTAGE - Power level, duration and duty cycle may be controlled to optimise treatment. Characteristics of a second soln. may be modified by proximity with a treated soln.

Dwg.1/23

Abstract (Equivalent): US 5606723 A

Appts. for **delivering** electromagnetic energy into a soln. comprises:

a first housing having closed ends defining a first water-tight chamber;

coil means contained within the first chamber; the coil means **delivering** a magnetic field into the soln.;
voltage probe means coupled to the coil means for **delivering** an electric field into the soln.; and
means for coupling an electromagnetic signal to the coil means.
Dwg.8a/13

16/3,AB/13 (Item 13 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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010442325

WPI Acc No: 1995-343644/199544

XRPX Acc No: N95-256756

Air/fuel control with on-board emission measurement in vehicle - averages samples of hydrocarbon concn. measurements of exhaust gases downstream of converter for each engine speed and load operating range

Patent Assignee: FORD MOTOR CO (FORD)

Inventor: **COOK J A** ; HAMBURG D R; LOGOTHETIS E M; SOLTIS R E; VISSER J H

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5452576	A	19950926	US 94288093	A	19940809	199544 B

Priority Applications (No Type Date): US 94288093 A 19940809

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5452576	A		13	F01N-003/20	

Abstract (Basic): US 5452576 A

Nitrogen oxides concn., hydrocarbon concn. and carbon monoxide concn. of exhaust gases downstream of the converter are measured (46,54 and 52). Each concn. measurement is averaged for the speed load cell in which such measurement occurred. Each concn. average measurement is converted to a measurement of mass emissions emitted during a test cycle.

Fuel **delivered** to the engine is corrected by a feedback variable derived from both an exhaust gas oxygen sensor (44) positioned upstream of the converter and the three sensors positioned downstream of the converter (46,52,54). A measurement of emissions in response to the averaged mass measurements of emission concn. downstream of the converter is also provided.

ADVANTAGE - Accurate measurement of emissions regardless of whether engine is operating lean or rich of catalytic converters efficiency windows.

Dwg.1/7

16/3,AB/14 (Item 14 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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010382626

WPI Acc No: 1995-283940/199537

XRPX Acc No: N95-216079

Subscriber end filtering in telephone transmission system - comprises high-pass filter between line port and transmitter-receiver and passive low-pass filter transparent to DC and to components exceeding predetermined amplitude

Patent Assignee: BRITISH TELECOM PLC (BRTE)

Inventor: **COOK J W** ; **COOK J**

Number of Countries: 025 Number of Patents: 014

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9521488	A1	19950810	WO 95GB202	A	19950201	199537 B
AU 9515421	A	19950821	AU 9515421	A	19950201	199547
EP 742972	A1	19961120	EP 95907086	A	19950201	199651

US 5623543	A	19970422	WO 95GB202	A	19950201	
NZ 278932	A	19970624	US 94216875	A	19940324	199722
			NZ 278932	A	19950201	199732
			WO 95GB202	A	19950201	
JP 9509798	W	19970930	JP 95520449	A	19950201	199749
			WO 95GB202	A	19950201	
KR 97700954	A	19970212	WO 95GB202	A	19950201	199809
			KR 96704164	A	19960729	
SG 47532	A1	19980417	SG 962672	A	19950201	199826
AU 694477	B	19980723	AU 9515421	A	19950201	199841
EP 742972	B1	19980930	EP 95907086	A	19950201	199843
			WO 95GB202	A	19950201	
DE 69505103	E	19981105	DE 605103	A	19950201	199850
			EP 95907086	A	19950201	
			WO 95GB202	A	19950201	
ES 2123956	T3	19990116	EP 95907086	A	19950201	199909
CA 2182383	C	19991214	CA 2182383	A	19950201	200018
			WO 95GB202	A	19950201	
CN 1139996	A	19970108	CN 95191437	A	19950201	200042

Priority Applications (No Type Date): EP 94300735 A 19940201

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 9521488	A1	E	19	H03H-011/04	
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Designated States (National): AU CA CN JP KR NZ

Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

AU 9515421	A			H03H-011/04	Based on patent WO 9521488
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EP 742972	A1	E	19	H03H-011/04	Based on patent WO 9521488
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Designated States (Regional): BE CH DE DK ES FR GB IT LI NL SE

US 5623543	A		9	H04B-003/16	
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NZ 278932	A			H03H-011/04	Based on patent WO 9521488
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JP 9509798	W		34	H04Q-003/42	Based on patent WO 9521488
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KR 97700954	A			H03H-011/04	Based on patent WO 9521488
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SG 47532	A1			H03H-011/04	
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AU 694477	B			H03H-011/04	Previous Publ. patent AU 9515421
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Based on patent WO 9521488

EP 742972	B1	E		H03H-011/04	Based on patent WO 9521488
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Designated States (Regional): BE CH DE DK ES FR GB IT LI NL SE

DE 69505103	E			H03H-011/04	Based on patent EP 742972
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Based on patent WO 9521488

ES 2123956	T3			H03H-011/04	Based on patent EP 742972
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CA 2182383	C	E		H03H-011/04	Based on patent WO 9521488
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CN 1139996	A			H03H-011/04	
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Abstract (Basic): WO 9521488 A

A twisted-pair telephone line (100) is connected to a conventional telephone (103) via a low-pass filter and a high pass filter (105) receiving signals in an upper frequency range e.g. 25-1,000 KHz.

The low-pass filter is primarily passive to allow passage of line power, ringing and signalling voltages. However, to improve matching to non-resistive line and telephone impedances, part of the filter (T4,T5,C4A/B,C5A/B,C6A/B,C7A/B) is flanked by impedance converters (300,400) in which amplifiers (IC2,IC4) with an appropriate transfer function feed voltages back into the line via transformers (T3,T7).

USE/ADVANTAGE - Asymmetric digital subscriber line providing broadband service at rates typically 1.5 to 6 Mbits over local loop lines. Improved impedance balance, copes with massive transients.

Dwg. 6/7

Abstract (Equivalent): US 5623543 A

A filter for connection to a source or load having a frequency-dependent impedance, comprising a passive filter and an impedance conversion arrangement having two ports of which one is connected to the filter and the other is for connection to a source or load;

the impedance conversion arrangement comprising a conductive path between the two ports so as to be substantially transparent to d.c. and to pulse and ringing components exceeding a predetermined amplitude,

and an amplifier connected to receive signals from the conductive path and to **deliver** to the conductive path a current or a voltage that is a frequency-dependent function of the received signals.

Dwg.4/6

16/3,AB/15 (Item 15 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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010172953

WPI Acc No: 1995-074206/199510

XRPX Acc No: N95-058805

Control system for maintaining engine air-fuel operation within peak efficiency window of catalytic converter - adjusts fuel delivered to engine in response to step change in output of oxygen sensor, and shifts step change in response to error signal derived from downstream emissions sensor

Patent Assignee: FORD WERKE AG (FORD); FORD MOTOR CO LTD (FORD); FORD MOTOR CO (FORD)

Inventor: **COOK J A** ; HAMBURG D R; LOGOTHETIS E M; RIMAI L

Number of Countries: 003 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5383333	A	19950124	US 93132267	A	19931006	199510 B
GB 2282679	A	19950412	GB 9419120	A	19940922	199518
DE 4433464	A1	19950413	DE 4433464	A	19940920	199520
GB 2282679	B	19971126	GB 9419120	A	19940922	199750

Priority Applications (No Type Date): US 93132267 A 19931006

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5383333	A		11	F01N-003/20	
DE 4433464	A1		12	F02D-041/14	
GB 2282679	A			F02D-041/14	
GB 2282679	B			F02D-041/14	

Abstract (Basic): US 5383333 A

An exhaust gas oxygen sensor is positioned upstream of the converter comprising first and second electrodes. The exhaust gas oxygen sensor has an output with a step change between first and second output states at a selected air/fuel ratio determined by a biasing device. A fuel control device adjusts fuel **delivered** to the engine in response to the step change to maintain engine air/fuel operation on average at the selected air/fuel ratio.

An error device generates an error signal related to variance between the selected air/fuel ratio and the converter efficiency window. The biasing device is responsive to the error signal for shifting the step change and the selected air/fuel ratio to device for generating current flow in the first electrode.

ADVANTAGE - Aligns step change of exhaust gas oxygen sensor output with efficiency window of catalytic converter positioned.

Dwg.1/7

Abstract (Equivalent): GB 2282679 B

A system for maintaining engine air/fuel operation within the efficiency window of a catalytic converter positioned in the engine exhaust, comprising: an exhaust gas oxygen sensor positioned upstream of the converter having an output with a step change between first and second output states at a selected air/fuel ratio determined by a biasing means; fuel control means for adjusting fuel **delivered** to the engine in response to said step change to maintain engine air/fuel operation on average at said selected air/fuel ratio; error means for generating an error signal related to variance between said selected air/fuel ratio and the converter efficiency window; and said biasing means being responsive to said error signal for shifting said step change and said selected air/fuel ratio to reduce said error signal.

Dwg.1

16/3,AB/16 (Item 16 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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010012119

WPI Acc No: 1994-279831/199434

XRPX Acc No: N94-220393

**Positive pressure canister purge system integrity confirmation for
controlling vapour emission in automobiles - introduces pumped air at
regulated pressure into vent port, with failure of pressure to build
within timed period indicating leakage**

Patent Assignee: SIEMENS CANADA LTD (SIEI); SIEMENS ELECTRIC LTD (SIEI)
; SIEMENS AUTOMOTIVE LTD (SIEI)

Inventor: BUSATO M F; COOK J E

Number of Countries: 020 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9418447	A1	19940818	WO 94CA37	A	19940127	199434 B
US 5411004	A	19950502	US 9313594	A	19930203	199523
EP 682745	A1	19951122	EP 94904934	A	19940127	199551
			WO 94CA37	A	19940127	
JP 8506158	W	19960702	JP 94517466	A	19940127	199650
			WO 94CA37	A	19940127	
EP 682745	B1	19980617	EP 94904934	A	19940127	199828
			WO 94CA37	A	19940127	
DE 69411153	E	19980723	DE 611153	A	19940127	199835
			EP 94904934	A	19940127	
			WO 94CA37	A	19940127	
MX 187019	B	19971113	MX 94853	A	19940202	199934

Priority Applications (No Type Date): US 9313594 A 19930203

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9418447 A1 E 17 F02M-025/08

Designated States (National): CA JP

Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL
PT SE

US 5411004 A 6 F02M-033/02

EP 682745 A1 E 17 F02M-025/08 Based on patent WO 9418447

Designated States (Regional): DE FR GB IT

JP 8506158 W 24 F02M-025/08 Based on patent WO 9418447

EP 682745 B1 E F02M-025/08 Based on patent WO 9418447

Designated States (Regional): DE FR GB IT

DE 69411153 E F02M-025/08 Based on patent EP 682745

Based on patent WO 9418447

MX 187019 B F02M-033/002

Abstract (Basic): WO 9418447 A

A collection canister collects volatile fuel vapour from a fuel tank. The vapours are selectively purged to the engine's intake manifold for entrainment with a combustible mixture that passes into the combustion chamber.

A purge flow path between canister and manifold has a diagnostic system for detecting leaks. The system comprises a pump for pumping air at regulated pressure to build positive pressure during diagnostic testing. Pressure is sensed and the time taken for pressure to build to a second pressure is measured.

ADVANTAGE - Reduced test time, reduced overpressurisation, with associated false results.

Dwg.1/1

Abstract (Equivalent): US 5411004 A

The purge system (10) includes a canister (14) for collecting volatile fuel vapours from a fuel tank (18). Collected fuel vapours are selectively purged to an intake manifold (16) for entrainment with a combustible mixture passed from the intake manifold into the engine combustion chamber for combustion. A purge flow path exists between the canister and intake manifold and has a diagnostic system associated with it which detects leakage from the canister and tank of the purge

system. The diagnostic system consists of a pump (23) which delivers air at a predetermined pressure to build positive pressure in canister and tank during a diagnostic test.

A pressure sensor arrangement senses the pressure and a timer measures the time taken for the pressure to build from a first pressure measured at the beginning of the diagnostic test to a second higher pressure which is substantially equal to the predetermined air pressure introduced by the pump. A device uses the length of time to determine the extent of any leakage, taking into account the fuel fill level which effects the time measurement.

ADVANTAGE - Conduction of test during pressurisation reduces test time. Flexible positioning of pump introducing air into system. Continued pump action on completion of test results in air being returned to atmosphere.

Dwg.1/1

16/3,AB/17 (Item 17 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2001 Derwent Info Ltd. All rts. reserv.

009965578

WPI Acc No: 1994-233291/199428

XRPX Acc No: N94-184450

Air-fuel feedback control system for IC engine - uses two sensors positioned downstream of catalytic converter providing electrical signals related to nitrogen oxide, carbon monoxide and hydrocarbon present in exhaust

Patent Assignee: FORD MOTOR CO (FORD)

Inventor: COOK J A ; HAMBURG D R; LOGOTHETIS E M

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5329764	A	19940719	US 933031	A	19930111	199428 B

Priority Applications (No Type Date): US 933031 A 19930111

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5329764	A		8 F02B-019/16	

Abstract (Basic): US 5329764 A

The control system is for IC engines having three-way (NOx, CO, and HC) catalytic converters. A feedback variable is generated by subtracting the normalised output of a nitrogen oxide sensor from the normalised output of a combined HC/CO sensor.

The zero crossing point of the feedback variable identifies the operating point for optimal conversion efficiency of the catalytic converter and is used to trim liquid fuel **delivery** for maintaining optimal conversion efficiency.

ADVANTAGE - Air-fuel operation is adjusted in response to identification of converter's actual operating window, achieving optimum conversion efficiency.

Dwg.1/4

16/3,AB/18 (Item 18 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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009710020

WPI Acc No: 1993-403573/199350

XRPX Acc No: N93-312304

Automotive vehicle canister purge system - uses opening in top wall portion of tank to mount roll-over valve for pressure sensor to communicate with tank head-space

Patent Assignee: SIEMENS AUTOMOTIVE LTD (SIEI)

Inventor: COOK J E

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5267470	A	19931207	US 92876254	A	19920430	199350 B

Priority Applications (No Type Date): US 92876254 A 19920430

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5267470	A		5 G01M-003/26	

Abstract (Basic): US 5267470 A

The system comprises a vapour collection canister (16) and a regulated canister purge solenoid valve (18). A canister vent solenoid valve (20) is associated with canister (16) and engine control computer (22) controls solenoid valves (18, 20) via respective electrical signals **delivered** to them.

Vacuum in the tank headspace and canister is measured by pressure sensor (24) embodied in an integrated roll-over valve and pressure sensor assembly (26) that is mounted on the top wall of tank (14). The sensor (24) supplies to computer an electrical signal representing vacuum in the tank headspace. Computer operates valve (20) closed and valve (18) open to draw a certain vacuum in the headspace of tank (14) and canister (16).

USE/ADVANTAGE - For automotive vehicles with engine powered by volatile fuel contained in vehicle-mounted fuel tank. For pressure and vacuum diagnostic testing e.g. on-board testing of tank and vapour collection canister integrity against leaks.

Dwg.1/2

16/3,AB/19 (Item 19 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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009391678

WPI Acc No: 1993-085157/199310

XRPX Acc No: N93-065151

Vacuum boost valve responsive to incipient drop - also supplies boost so that when intensity of vacuum source in range immediately falls below threshold

Patent Assignee: SIEMENS ELECTRIC LTD (SIEI); SIEMENS AUTOMOTIVE LTD (SIEI)

Inventor: BUSATO F M; COOK J ; GILLIER C W; BUSATO M F; COOK J E ; GILLIER W C

Number of Countries: 005 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5188141	A	19930223	US 91801986	A	19911203	199310 B
EP 545121	A1	19930609	EP 92119467	A	19921113	199323
EP 545121	B1	19970129	EP 92119467	A	19921113	199710
DE 69217182	E	19970313	DE 617182	A	19921113	199716
			EP 92119467	A	19921113	

Priority Applications (No Type Date): US 91801986 A 19911203

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5188141	A		9 F16K-011/10	
EP 545121	A1 E	10	F02M-025/08	
EP 545121	B1 E	13	F02M-025/08	

Designated States (Regional): DE FR GB IT

DE 69217182 E F02M-025/08 Based on patent EP 545121

Abstract (Basic): US 5188141 A

A vacuum boost valve senses when the intensity of vacuum from a variable intensity vacuum source is about to drop below a threshold, and supplies a boost so that when the intensity of the vacuum source is within a range immediately below the threshold. The intensity of vacuum

is **delivered** to a load does not drop below the intensity of the vacuum source and is in fact increased over what it would otherwise be without the boost.

The vacuum boost is obtained by using a venturi.

ADVANTAGE - Emission control systems of modern internal combustion engine powered automotive vehicles that rely upon vacuum power for their operation. Two examples are an exhaust gas recirculation (EGR) valve and a canister purge solenoid (CPS) valve.

Dwg.5/6

Abstract (Equivalent): EP 545121 B

An engine having an intake manifold (15) within which various magnitudes of vacuum are developed during operation of the engine, and a vacuum boost valve (10) for providing vacuum to a vacuum-operated utilization device (12) wherein said vacuum boost valve comprises: an inlet port (7) for communication to a variable magnitude vacuum source; an outlet port (8) for **delivering** a vacuum output; and a flow path that extends to said inlet port from a source (34) of pressure higher than the pressure at said inlet port (7); a device comprising a low pressure zone (36) at which vacuum is created by certain flow through said flow path; a tap (38) at said low pressure zone that is communicated to said outlet port (8), characterised in that: said device being a venturi (22); said flow path comprising a shut-off valve (54) (68) and said venturi (22) in series; a movable wall (48) and a spring (62) that control said shut-off valve (54), (68), said spring biasing said shut-off valve open, said removable wall comprising opposite faces that are communicated respectively to a pressure that is correlated with said reference pressure and to said inlet port respectively; means operatively relating said movable wall (48), said spring (62) and said shut-off valve (54) (68) such that said shut-off valve (54), (68) is maintained closed by said movable wall (48) as long as the vacuum at said inlet port (7) is greater than a threshold level, and such that said shut-off valve (54) (68) is maintained open by said spring (62) as long as the vacuum at said inlet port (7) is less than said threshold level; and means operatively relating said source (34) of pressure, said shut-off valve (54) (68), and said venturi (22), in said flow path such that when said shut-off valve is closed, there is no flow through said flow path and the pressure at said tap (38) is essentially equal to the magnitude of vacuum at said inlet port (7) and such that when said shut-off valve is open, there is flow through said flow path that is effective to create at said tap. a vacuum whose magnitude is at least as great as that communicated to said inlet port, and is in fact greater than it would otherwise be without the boost that is provided by the venturi, vacuum being measured relative to a reference pressure; said inlet port (7) being communicated to the vacuum in said intake manifold (15), and said outlet port (8), being communicated to said vacuum-operated utilization device (12).

Dwg.1/6

16/3,AB/20 (Item 20 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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008849833

WPI Acc No: 1991-353852/199148

XRPX Acc No: N91-270955

Carbon canister purge system for internal combustion engines - includes vacuum actuated valve for larger fuel flows, in addn. to pulse width modulated solenoid valve

Patent Assignee: SIEMENS AG (SIEI); SIEMENS AUTOMOTIVE LTD (SIEI);
SIEMENS AUTO LTD (SIEI)

Inventor: **COOK J E**

Number of Countries: 018 Number of Patents: 009

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9117353	A	19911114				199148 B
US 5115785	A	19920526	US 90517285	A	19900501	199224
			US 91674626	A	19910325	

EP 528849	A1	19930303	EP 91908616	A	19910426	199309
			WO 91EP809	A	19910426	
JP 5502082	W	19930415	JP 91508166	A	19910426	199320
			WO 91EP809	A	19910426	
BR 9106396	A	19930427	BR 916396	A	19910426	199321
			WO 91EP809	A	19910426	
EP 528849	B1	19941221	EP 91908616	A	19910426	199504
			WO 91EP809	A	19910426	
DE 69106129	E	19950202	DE 606129	A	19910426	199510
			EP 91908616	A	19910426	
			WO 91EP809	A	19910426	
ES 2066440	T3	19950301	EP 91908616	A	19910426	199515
KR 208910	B1	19990715	KR 92702430	A	19921005	200066

Priority Applications (No Type Date): US 91674626 A 19910325; US 90517285 A 19900501

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 9117353	A				
Designated States (National): BR CA JP KR					
Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LU NL SE					
US 5115785	A	11	F02M-039/00		CIP of application US 90517285
EP 528849	A1 E	23	F02M-025/08		Based on patent WO 9117353
Designated States (Regional): DE ES FR GB IT SE					
JP 5502082	W		F02M-025/08		Based on patent WO 9117353
BR 9106396	A		F02M-025/08		Based on patent WO 9117353
EP 528849	B1 E	12	F02M-025/08		Based on patent WO 9117353
Designated States (Regional): DE ES FR GB IT SE					
DE 69106129	E		F02M-025/08		Based on patent EP 528849
					Based on patent WO 9117353
ES 2066440	T3		F02M-025/08		Based on patent EP 528849
KR 208910	B1		F02M-025/08		

Abstract (Basic): WO 9117353 A

This invention relates to controlled fuel supply for internal combustion engines, where canister purge systems are used for exhaust gas evaporative emission control. The purge system controls fuel vapour flow to the inlet manifold.

The engine electronic control unit operates the valve solenoid very accurately with a pulse width modulated signal, but such accuracy limits the valve's capacity for large flow rates. So this invention adds an additional valve, actuated by the inlet manifold vacuum pressure, when conditions require higher flow rates. A pressure regulator may be inserted in the solenoid valve line for isolation from inlet manifold vacuum changes.

USE/ADVANTAGE - In internal combustion engines employing evaporative exhaust gas control, an additional valve before inlet manifold to improve large fuel flow control. (23pp Dwg.No.1/8)

Abstract (Equivalent): EP 528849 B

This invention relates to controlled fuel supply for internal combustion engines, where canister purge systems are used for exhaust gas evaporative emission control. The purge system controls fuel vapour flow to the inlet manifold.

The engine electronic control unit operates the valve solenoid very accurately with a pulse width modulated signal, but such accuracy limits the valve's capacity for large flow rates. So this invention adds an additional valve, actuated by the inlet manifold vacuum pressure, when conditions require higher flow rates. A pressure regulator may be inserted in the solenoid valve line for isolation from inlet manifold vacuum changes.

USE/ADVANTAGE - In internal combustion engines employing evaporative exhaust gas control, an additional valve before inlet manifold to improve large fuel flow control.

(Dwg.1/8)

EP-528849 A canister purge system (10; 10A; 10B; 10C) for purging collected volatile fuel vapours from a canister to the intake manifold of an internal combustion engine comprising a canister purge solenoid valve (12; 12A; 12B; 12C) having an inlet, an outlet and a valving

means (20; 20A; 20B; 20C) that is disposed in a passage between said inlet and outlet and imposes a selected restriction to flow through said passage in accordance with an electrical control signal delivered to the solenoid (24; 24A; 24B; 24C) of the valve, first conduit means including orifice means (46; 46A; 46B) connecting the inlet and outlet of said canister purge solenoid valve to a canister and an engine intake manifold respectively, and a vacuum-actuated valve (14; 14A; 14B; 14C) having an inlet, an outlet and a valving means (32; 32A; 32B; 32C) that is disposed in a passage between the last-mentioned inlet and outlet, characterised in that said vacuum-actuated valve is normally closed and opens said passage between the last-mentioned inlet and outlet to flow only for values of a vacuum signal input to a control port of said vacuum-actuated valve which exceed a certain minimum, a second conduit means connects the inlet and outlet of said vacuum-actuated valve to said canister and engine intake manifold respectively, said orifice means is between said canister and said inlet of said canister purge solenoid valve and a third conduit means connects the control port of said vacuum-actuated valve to a tap that is disposed in said first conduit means between said orifice means and said inlet of said canister purge solenoid valve.

(Dwg.1/8a

Abstract (Equivalent): US 5115785 A

A pulse width modulated solenoid-actuated valve and a vacuum-actuated valve are cooperatively associated such that the purge system possesses both accurate control at low purge flows and the capacity for handling much higher flows. The two valves are in parallel paths between the canister and the manifold. Below a certain duty cycle of the solenoid-actuated valve, only its path is open. At higher duty cycles, both flow paths are open.

An orifice is provided in the flow path containing the solenoid-actuated valve so that as this valve increasing opens, a vacuum signal at a tap between the orifice and the solenoid-actuated valve also increases. This vacuum signal is applied to a control port of the vacuum-actuated valve to cause the latter to open upon attainment of a certain flow through the solenoid-actuated valve.

USE - In automotive vehicle evaporative emission control system for controlled purging of fuel vapour collection canister to intake manifold of engine.

16/3,AB/21 (Item 21 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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008704199

WPI Acc No: 1991-208220/199128

Related WPI Acc No: 1991-080324; 1993-133270; 1993-234626; 1995-327390

SRPX Acc No: N91-158945

Regulated flow canister-purge system for internal combustion engines - uses variable orifice operated by the throttle and purge regulator under control of electronic control unit

Patent Assignee: SIEMENS AG (SIEI)

Inventor: COOK J E

Number of Countries: 017 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9109221	A	19910627				199128	B
US 5050568	A	19910924	US 90591219	A	19901004	199141	
US 5054455	A	19911008	US 90490791	A	19900308	199143	
EP 506698	A1	19921007	WO 90EP2105	A	19901205	199241	
			EP 91900229	A	19901205		
JP 5502492	W	19930428	WO 90EP2105	A	19901205	199322	
			JP 91500642	A	19901205		
EP 506698	B1	19950308	WO 90EP2105	A	19901205	199514	
			EP 91900229	A	19901205		
DE 69017713	E	19950413	DE 617713	A	19901205	199520	
			WO 90EP2105	A	19901205		
			EP 91900229	A	19901205		

Priority Applications (No Type Date): US 90591219 A 19901004; US 89452664 A 19891218; US 90490791 A 19900308

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 9109221	A				
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Designated States (National): CA JP KR

Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LU NL SE

EP 506698	A1	E	29	F02M-025/08	Based on patent WO 9109221
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Designated States (Regional): DE FR GB IT

JP 5502492	W			F02M-025/08	Based on patent WO 9109221
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EP 506698	B1	E	18	F02M-025/08	Based on patent WO 9109221
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Designated States (Regional): DE FR GB IT

DE 69017713	E			F02M-025/08	Based on patent EP 506698
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Based on patent WO 9109221

Abstract (Basic): WO 9109221 A

The system purges the vapour collection canister (14) to the intake manifold (12) through a purge regulator (22) controlled by the engine's electronic control unit (36). The purge regulator comprises a diaphragm valve and electronic vacuum-regulator.

The purge regulator functions to allow a purge flow rate correlated with a control signal from the engine ECU and manifold vacuum, to maintain a substantially constant purge flow rate in response to changes in manifold vacuum pressure, and to re-adjust the purge flow rate in correlation with changes in the control signal from the engine ECU.

ADVANTAGE - Provides controlled canister purging and attenuates hydrocarbon emission spikes in the engine exhaust. (29pp Dwg.No.1/10)

Abstract (Equivalent): EP 506698 B

The system purges the vapour collection canister (14) to the intake manifold (12) through a purge regulator (22) controlled by the engine's electronic control unit (36). The purge regulator comprises a diaphragm valve and electronic vacuum-regulator. The purge regulator functions to allow a purge flow rate correlated with a control signal from the engine ECU and manifold vacuum, to maintain a substantially constant purge flow rate in response to changes in manifold vacuum pressure, and to re-adjust the purge flow rate in correlation with changes in the control signal from the engine ECU.

ADVANTAGE - Provides controlled canister purging and attenuates hydrocarbon emission spikes in the engine exhaust.

(Dwg.1/10)

EP-506698 For controlling the purging of a fuel vapor collection canister (14) of an evaporative emission control system associated with the fuel system of an internal combustion engine, a regulated flow canister purge arrangement comprising an electronic vacuum regulator (82,162) under control of an engine ECU (36) and having a vacuum inlet (86,166) at which engine manifold vacuum (60) is received, an outlet (88,168) at which is **delivered** a percentage of the engine manifold vacuum received at the vacuum inlet as determined by an electronic control signal supplied to a control input of the electronic vacuum regulator from such an engine ECU, a canister purge inlet (100,180) to which a canister (14) that is to be purged of gaseous fuel vapours is communicated, a canister purge outlet (102,182) that is communicated to engine manifold vacuum, valve means (104,190) for controlling flow between said canister purge inlet and said canister purge outlet, and a movable wall (95,178) for operating said valve means, one side of said movable wall bounding one variable volume chamber (96,170) and another side of said movable wall bounding another variable volume chamber (98,176), biasing means (122,192) acting on said movable wall so as to cause said valve means to be biased toward blocking flow between said canister purge inlet and said canister purge outlet, means communicating the outlet of said electronic vacuum regulator with said one variable volume chamber to cause the volumes of said chambers to vary in relation to the percentage of manifold vacuum applied to said one variable volume chamber, means (111,109,118,180) causing vacuum in said another variable volume chamber to be correlated in a predetermined manner with engine manifold vacuum; characterized in that

in steady state operating conditions wherein the magnitude of intake manifold vacuum and the value of said control signal are held constant, said valve means operates to allow a corresponding, substantially constant flow rate from said canister purge inlet to said canister purge outlet that is correlated with the intake manifold vacuum and control signal values; in that for a certain steady state value of intake manifold vacuum and a certain steady state value of said control signal, said valve means operates to allow a certain corresponding flow rate from said canister purge inlet to said canister purge outlet; in that in response to a change in intake manifold vacuum from said certain steady state value thereof while said control signal remains unchanged at said certain steady state value thereof, said valve means is re-adjusted such that the flow rate between said canister purge inlet and said canister purge outlet is allowed to continue substantially unchanged at said certain flow rate; and in that in response to a change in said control signal from said steady state value thereof while the magnitude of intake manifold vacuum remains unchanged at said steady state value thereof, said valve means is readjusted such that the flow rate between said canister purge outlet is changed from said certain flow rate is an amount correlated with the change in said control signal.

(Dwg.1/10

Abstract (Equivalent): US 5054455 A

The evaporator emission control system purges the vapor collection canister to the throttle body through both a purge regulator controlled by the engine ECU and a variable orifice valve that is mechanically operated by the throttle mechanism. A throttle position sensor that supplies a throttle position signal to the ECU can be read by the ECU as also representing the degree of restriction being imposed by the variable orifice on the flow of vapour from the canister to the throttle body and the ECU can take this into account when setting the purge regulator.

A novel construction for the purge regulator, partic. the connection between the actuator and the valve, precludes the transmission of any significant bending moment from the movable wall of the actuator to the valve. The head of the valve is designed to also contribute to improved operation.

USE - For vehicle IC engine. (9pp)F

US 5050568 A

The evaporative emission control system purges the vapour collection canister to the intake manifold through a purge regulator controlled by the engine ECU. The purge regulator has a diaphragm valve and an electronic vacuum regulator.

The purge regulator functions to allow a purge flow rate correlated with a control signal from the engine ECU and manifold vacuum, to maintain the purge flow rate substantially constant in response to certain changes in the magnitude of manifold vacuum, and to re-adjust the purge flow rate in correlation with changes in the control signal from the engine ECU.

USE - For IC engine. (10pp)

16/3,AB/22 (Item 22 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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008682592

WPI Acc No: 1991-186611/199126

XPX Acc No: N91-143071

**Internal combustion engine exhaust air flow control and check valve -
uses check valve controlled on basis of differential pressures from air
pump and exhaust sides of check valve**

Patent Assignee: SIEMENS AG (SIEI)

Inventor: BUSATO M F; COOK J E

Number of Countries: 005 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 433691	A	19910626	EP 90122331	A	19901122	199126 B

Priority Applications (No Type Date): US 90601095 A 19901025; US 89440941 A 19891122

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 433691 A

Designated States (Regional): DE FR GB IT

Abstract (Basic): EP 433691 A

The emission control system for an internal combustion engine has an air pump which **delivers** air to the exhaust but is susceptible to damage by backflow from the exhaust under certain circumstances. A valve is placed in the flow to control the relationship between the air pump and the exhaust. Flow is permitted from the pump to the exhaust with backflow blocked.

The control system uses sensors which sense the pressure differential between two points, one between the pump and the valve. The other is placed between the valve and the exhaust and based on these pressures controls the valve.

ADVANTAGE - Embodies all required protection in one airflow/check valve assembly which is entirely mechanical. (19pp Dwg.No.1/10

Abstract (Equivalent): US 5065575 A

An actuator is selectively positionable to cause the valving mechanism to selectively allow and disallow flow between the air pump and the exhaust. A control for the operating device comprises two pressure sensing taps between the air pump and the exhaust, one of which is upstream of the valving mechanism and the other of which is downstream of the valving mechanism.

A coupling links the two taps with the operating device for causing the actuator to operate the valving mechanism to allow flow between the air pump and the exhaust when the pressure differential sensed by the two taps is indicative of operation of the air pump being effective to cause the pumping of air into the exhaust. It causes the actuator to operate the valving mechanism to disallow flow between the air pump and the exhaust when the pressure differential sensed by the two taps indicates a condition of the exhaust tending to create potentially damaging backflow of exhaust to the air pump.

USE - Air flow-check valve for IC engine exhaust emission control system. (19pp)

16/3,AB/23 (Item 23 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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008563119

WPI Acc No: 1991-067154/199110

XRPX Acc No: N91-051961

Vapour purge control system - actuates electronically actuated valve connected in parallel to another valve when desired purge flow is above 50 per cent

Patent Assignee: FORD MOTOR CO (FORD)

Inventor: COOK J A ; HAMBURG D R

Number of Countries: 004 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 415590	A	19910306	EP 90308849	A	19900810	199110 B
US 5060621	A	19911029	US 89399192	A	19890828	199146

Priority Applications (No Type Date): US 89399192 A 19890828

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 415590 A

Designated States (Regional): DE FR GB

Abstract (Basic): EP 415590 A

The control system for engines is equipped with both a fuel vapour recovery system and an air/fuel ratio feedback control system. The

air/fuel ratio feedback control system regulates **delivery** of fuel in response to an exhaust gas oxygen sensor (38) such that the mixture of air, fuel, and recovered fuel vapour approximates a desired air/fuel ratio.

The fuel vapour recovery system (10) includes two parallel solenoid valves (74, 76) which are phased controlled by a phase controller (82) responsive to a measurement of inducted airflow such that total purge flow through both valves is proportional to inducted airflow.

ADVANTAGE - Reduces any air/fuel transients caused by onset of purging. (12pp Dwg.No.1/5

Abstract (Equivalent): US 5060621 A

The method comprises the step of determining a desired percentage of maximum purge flow. A first electronically actuated valve connected between the fuel system and engine is actuated with an on time proportional to the desired percentage when the desired percentage is below a predetermined value and fully actuated when the desired percentage is above the predetermined value.

A second electronically actuated valve connected in parallel to the first valve is actuated with an on time proportional to the difference between the desired percentage and the predetermined value when the desired percentage is above the predetermined value.

USE - For purging fuel vapours from fuel system into internal combustion engine. (11pp)

16/3,AB/24 (Item 24 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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008476863

WPI Acc No: 1990-363863/199049

Related WPI Acc No: 1990-118165

XRAM Acc No: C90-158087

Aq. coating compsn. for temporary coatings - contains poly(meth)acrylic acid copolymer, methacrylamide copolymer, hydrophilic-hydrophobic oligomer, etc.

Patent Assignee: IMPERIAL CHEM IND PLC (ICIL)

Inventor: COOK J A ; ROBERTS J S

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2231876	A	19901128	GB 8911188	A	19890516	199049 B

Priority Applications (No Type Date): GB 8911188 A 19890516

Abstract (Basic): GB 2231876 A

An aq. coating compsn. (I), suitable in the application of temporary coatings, comprises a dispersion of particles of a water-insoluble copolymer (II) in water. (II) has a glass transition temp.. of 5-60 deg.C and is derived from (A) 7-20 wt% of copolymerised acrylic and/or methacrylic acids; (B) 0.5-10 wt% copolymerised methacrylamide; (C) 1-10 wt% oligomer (III), comprising a long chain hydrophilic portion of mol.wt. 500-4000 and a hydrophobic portion, chemically bonded to (II); and (D) the wt% balance of suitable comonomers (IV).

(I) may comprise also 0-10(0.15) wt% organic solvent based on the combined wt. of water, organic coherent and (II).

USE/ADVANTAGE - (I) is used to protect hydrophobic surfaces of plastics or painted surfaces esp. painted surfaces on motor vehicles and marine craft. The coating of (I) is temporary and reduces the risk of damage to paintwork during storage and **delivery**. (I) is easily removed and is environmentally acceptable. (20pp Dwg.No.0/0)

Abstract (Equivalent): GB 2223761 B

An aqueous coating composition suitable for use in the application of temporary coatings which composition comprises water and a dispersion of particulate water-insoluble copolymer which has a weight average molecular weight of 10 000 to 200 000 and comprises i)

copolymerised acrylic or methacrylic acid or a mixture of the two, ii) copolymerised staple monomer of the type (other than those recited in (iv) below) copolymerisable with acrylic or methacrylic acid and iii) an oligomer comprising a long chain hydrophilic moiety which moiety has a molecular weight of from 500 to 4000 and a hydrophobic moiety chemically bonded to the particulate copolymer wherein the particulate copolymer additionally comprises iv) copolymerised hydrophilic monomer or a mixture of hydrophilic monomers chosen from methacrylamide, hydroxyethyl acrylate, hydroxyethyl methacrylate or hydroxy-isopropyl methacrylate and wherein a) based on the combined weights of copolymerised acrylic/methacrylic acid monomers, staple monomers and hydrophilic monomers, the particulate copolymer comprises 7 to 14 wt.% of acrylic acid or methacrylic acid or the mixture of the two, 0.1 to 10 wt.% of hydrophilic monomer and the balance is stable monomer, b) from 1 to 10 wt.% of the total weight of the particulate copolymer is oligomer and c) the coating composition comprises not more than 10 wt.% of organic solvent based on the combined weight of water, organic solvent and particulate copolymer in the composition.

Abstract (Equivalent): US 5191014 A

Aq. coating compsn. for application of temporary coatings comprises water and a dispersion of particulate water-insoluble copolymer having a wt. average molecular wt. of 10000-200000. The copolymer comprises (i) methacrylamide, (ii) acrylic or methacrylic acid or a mixt. of the two and (iii) a staple monomer other than (i) and (ii). (iii) is copolymerisable with (ii) by free radical initiated copolymerisation and does not confer water solubility on the copolymer. The copolymer has an oligomer chemically bonded to it. The oligomer comprises a long chain hydrophilic part having molecular wt. of 500-4000 and a hydrophobic part through which it is chemically bonded to the particulate copolymer. The particulate copolymer comprises 7-14 wt.% of (ii), 0.1-10 wt.% (i), the balance being (iii). 1-10 wt.% of the total wt. of the particulate copolymer is oligomer. The coating compsn. comprises not more than 5 wt.% of organic solvent based on the combined wt. of water, organic solvent and particulate copolymer in the compsn. USE/ADVANTAGE - The coatings are transparent, abrasion resistant, tenacious yet easily removable to produce environmentally acceptable effluent.

(Dwg.0/0)

16/3,AB/25 (Item 25 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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008293573

WPI Acc No: 1990-180574/199024

XRAM Acc No: C90-078357

XRPX Acc No: N90-140331

Mechanised mfr. of sec. cell electrode sheets - including rolling mixt. in one direction to produce strip, cutting, laminating and rolling in second perpendicular direction

Patent Assignee: LUCAS IND PLC (LUCA)

Inventor: COOK J E ; WILLIAMS A

Number of Countries: 006 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 372797	A	19900613	EP 89312348	A	19891128	199024 B
US 5030312	A	19910709	US 89443919	A	19891130	199130
EP 372797	B1	19930224	EP 89312348	A	19891128	199308
DE 68905034	E	19930401	DE 605034	A	19891128	199314
			EP 89312348	A	19891128	

Priority Applications (No Type Date): GB 8828519 A 19881207

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 372797 A

Designated States (Regional): DE FR GB IT SE

EP 372797 B1 E 15 H01M-004/04

Abstract (Basic): EP 372797 A

Elements of active material for prodn. of sec. cell electrodes are mfd. rolling (12) active material mixt. pref. in crumb form, in a first direction to produce strip, cutting (15) the strip into sheets; transporting the sheets in the same direction to an end of a first conveyor (17), transferring the cut sheets (16) to a second conveyor (24) extending perpendicular to the first; operating the second conveyor (24) to transfer the sheets in a second direction perpendicular to the first to a laminating station (25) and rolling (26) the laminated cut sheets in the second direction.

USE/ADVANTAGE - Esp. in mfr. of Ni electrodes for a Nicad cell. Method provides simple, convenient mechanised handling of rolled electrode sheets. (14pp Dwg.No.1/11)

Abstract (Equivalent): EP 372797 B

A method of manufacturing elements of active material for use in the construction of electrodes for secondary electro-chemical cells characterised comprising the steps of: rolling active material mixt. in a first direction to produce elongate strip, cutting the strip to define cut sheets of rolled material, transporting a cut sheet in said one direction on a movable end, first, conveyor, moving the movable end of said first conveyor to transfer said cut sheet to a stationary, second conveyor extending substantially perpendicular to said first conveyor, operating said second conveyor to transfer said cut sheet in a second direction substantially perpendicular to said first direction to a laminating station wherein the cut sheet is laminated with other cut sheets, and rolling the laminated cut sheets in said second direction.

Abstract (Equivalent): US 5030312 A

For mfr. of active material elements in mfr. of e.g. Ni-Cd battery cells, active material from a mixer is charged into a hopper (11) and passes to rollers (12) which form a continuous strip (13), which is deposited on a conveyor belt (14), **delivering** the strip to a cutter (15).

Cut sheets (16) passed on to a second conveyor (17), aligned with the first and perpendicular to it.

The second conveyor transfers the sheets to a conveyor (24) at right angles.

The second and third conveyors have movable end arrangements to facilitate deposition of the sheet on the succeeding conveyor.

ADVANTAGE - Mechanised handling of fragile sheets.

(12pp (12pp

16/3,AB/26 (Item 26 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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008231164

WPI Acc No: 1990-118165/199016

Related WPI Acc No: 1990-363863

XRAM Acc No: C90-051840

Temporary coating compsns. - comprising water and dispersion of particulate water-insoluble copolymer

Patent Assignee: IMPERIAL CHEM IND PLC (ICIL); ROBERTS J S (ROBE-I)

Inventor: **COOK J A** ; ROBERTS J S

Number of Countries: 015 Number of Patents: 013

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2223761	A	19900418	GB 8921066	A	19890918	199016 B
CA 2000511	A	19900412				199019
EP 369581	A	19900523	EP 89309454	A	19890918	199021
PT 91954	A	19900430				199022
BR 8905153	A	19900515				199024
JP 2151667	A	19900611	JP 89264124	A	19891012	199029
AU 8942543	A	19900426				199033

ZA 8907216	A	19900926	ZA 897216	A	19890921	19890921
GB 2223761	B	19920603	GB 8921066	A	19890918	199223
US 5191014	A	19930302	US 89419604	A	19891010	199311
			US 92831096	A	19920210	
EP 369581	B1	19931229	EP 89309454	A	19890918	199401
DE 68911874	E	19940210	DE 611874	A	19890918	199407
			EP 89309454	A	19890918	
ES 2062026	T3	19941216	EP 89309454	A	19890918	199505

Priority Applications (No Type Date): GB 8911188 A 19890516; GB 8823883 A 19881012

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 369581	A				
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Designated States (Regional): BE DE ES FR GB IT NL SE

US 5191014	A	10	C08L-033/10	Cont of application US 89419604
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EP 369581	B1 E	18	C09D-005/00	
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Designated States (Regional): BE DE ES FR GB IT NL SE

DE 68911874	E		C09D-005/00	Based on patent EP 369581
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ES 2062026	T3		C09D-005/00	Based on patent EP 369581
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GB 2223761	B		C08F-220/08	
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Abstract (Basic): GB 2223761 A

An aq. coating compsn. suitable for use in the applicn. of temporary coatings comprises water and a dispersion of particulate water-insoluble copolymer having Mw 10000-200000 and comprising (a) copolymd. acrylic- and/or methacrylic acid; (b) copolymd. staple monomers copolymerisable with (a), except those in (d), below; (c) oligomer comprising a long-chain hydrophilic moiety of mol.wt. 500-4000 and a hydrophobic moiety chemically bonded to the particulate copolymer; and additionally comprising (d) copolymd. hydrophilic monomer(s) comprising methacrylamide, hydroxy ethyl acrylate, hydroxy methyl methacrylate or hydroxy isopropyl methacrylate.

The particulate copolymer comprises 7-14 (7-12) wt.% (a), 0.1-10 (2-8) wt.% (c) and the balance (b), based on (a)+(b)+(c). 1-10 wt.% of the total wt. of the particulate copolymer is (d). The coating compsn. comprises not more than 10 wt.% organic solvent based on wt. of water, organic solvent and particulate copolymer.

USE/ADVANTAGE - For the temporary coating of surfaces (e.g. new vehicles to protect the paintwork during storage and **delivery**) by applying the compsn. and drying to 3-40 microns thick (claimed). The compsn. contains reduced amt. of solvent in order to satisfy environmental concerns. The coatings are easily removed without use of solvent, prevent dirt retention and are resistant to water, i.e. rain. (39pp Dwg.No.0/0)rot

Abstract (Equivalent): EP 369581 B

An aqueous coating composition suitable for use in the application of temporary coatings which composition comprises water and a dispersion of particulate water-insoluble copolymer which has a weight average molecular weight of 10,000 to 200,000 and comprises i) copolymerised acrylic or methacrylic acid or a mixture of the two, ii) copolymerised staple monomers of the type (other than those recited in (iv) below) copolymerisable with acrylic or methacrylic acid and iii) an oligomer comprising a long chain hydrophilic moiety which moiety has a molecular weight of from 500 to 4000 and a hydrophobic moiety chemically bonded to the particulate copolymer wherein the particulate copolymer additionally comprises iv) copolymerised hydrophilic monomer or a mixture of hydrophilic monomers chosen from methacrylamide, hydroxyethyl acrylate, hydroxymethyl methacrylate or hydroxyisopropyl methacrylate and wherein a) based on the combined weights of copolymerised acrylic/methacrylic acid monomers, staple monomers and hydrophilic monomers, the particulate copolymer comprises 7 to 14 wt.% of acrylic acid or methacrylic acid or the mixture of the wo, 0.1 to 10 wt.% of hydrophilic monomer and the balance is staple monomer, b) from 1 to 10 wt.% of the total weight of the particulate copolymer is oligomer; c) the composition comprises from 5 to 50 wt.% of solid material exclusive of any pigment and d) the coating composition comprises not more than 10 wt.% of organic solvent based on the

combined weight of water, organic solvent and particulate copolymer in the composition.

(Dwg.0/0)

Abstract (Equivalent): GB 2223761 B

An aqueous coating composition suitable for use in the application of temporary coatings which composition comprises water and a dispersion of particulate water-insoluble copolymer which has a weight average molecular weight of 10 000 to 200 000 and comprises i) copolymerised acrylic or methacrylic acid or a mixture of the two, ii) copolymerised staple monomer of the type (other than those recited in (iv) below) copolymerisable with acrylic or methacrylic acid and iii) an oligomer comprising a long chain hydrophilic moiety which moiety has a molecular weight of from 500 to 4000 and a hydrophobic moiety chemically bonded to the particulate copolymer wherein the particulate copolymer additionally comprises iv) copolymerised hydrophilic monomer or a mixture of hydrophilic monomers chosen from methacrylamide, hydroxyethyl acrylate, hydroxyethyl methacrylate or hydroxy-isopropyl methacrylate and wherein a) based on the combined weights of copolymerised acrylic/methacrylic acid monomers, staple monomers and hydrophilic monomers, the particulate copolymer comprises 7 to 14 wt.% of acrylic acid or methacrylic acid or the mixture of the two, 0.1 to 10 wt.% of hydrophilic monomer and the balance is stable monomer, b) from 1 to 10 wt.% of the total weight of the particulate copolymer is oligomer and c) the coating composition comprises not more than 10 wt.% of organic solvent based on the combined weight of water, organic solvent and particulate copolymer in the composition.

Abstract (Equivalent): US 5191014 A

Aq. coating compsn. for application of temporary coatings comprises water and a dispersion of particulate water-insoluble copolymer having a wt. average molecular wt. of 10000-200000. The copolymer comprises (i) methacrylamide, (ii) acrylic or methacrylic acid or a mixt. of the two and (iii) a staple monomer other than (i) and (ii). (iii) is copolymerisable with (ii) by free radical initiated copolymerisation and does not confer water solubility on the copolymer. The copolymer has an oligomer chemically bonded to it. The oligomer comprises a long chain hydrophilic part having molecular wt. of 500-4000 and a hydrophobic part through which it is chemically bonded to the particulate copolymer. The particulate copolymer comprises 7-14 wt.% of (ii), 0.1-10 wt.% (i), the balance being (iii). 1-10 wt.% of the total wt. of the particulate copolymer is oligomer. The coating compsn. comprises not more than 5 wt.% of organic solvent based on the combined wt.

16/3,AB/27 (Item 27 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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008164003

WPI Acc No: 1990-051004/199007

XRPX Acc No: N90-039150

Fuel injection control system - has primary and secondary fuel injectors controlled according to desired air-fuel ratio calculated from engine parameters

Patent Assignee: FORD MOTOR CO (FORD)

Inventor: COOK J A

Number of Countries: 004 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4886026	A	19891212	US 88239378	A	19880901	199007 B
EP 361654	A	19900404	EP 89307530	A	19890725	199014

Priority Applications (No Type Date): US 88239378 A 19880901

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 4886026	A		9		
EP 361654	A	E			

Designated States (Regional): DE FR GB

Abstract (Basic): US 4886026 A

A fuel vapour recovery system periodically purges fuel vapours from the fuel system into the intake manifold under control of a purge controller. The intake manifold has a separate runner coupled to each combustion chamber with a separate primary fuel injector coupled thereto. A secondary fuel injector is coupled to the intake manifold upstream of the primary fuel injectors.

Fuel injection controllers are responsive to a desired fuel charge related to a desired air to fuel ratio of a mixture of air, injected fuel, and fuel vapours injected into the engine. The desired fuel charge is generated in response to a measurement of inducted airflow and a feedback indication of actual air to fuel ratio from an exhaust gas oxygen sensor. When the desired fuel charge is below the linear range of the primary fuel injectors, the primary fuel injector controller is disabled and the second fuel injector controller enabled.

USE/ADVANTAGE - Fuel **delivery** control system for multiport fuel injected internal combustion engine. Accurate air to fuel ratio control.

1/6

16/3,AB/28 (Item 28 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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007056467

WPI Acc No: 1987-056464/198708

XRPX Acc No: N87-042856

Fluid flow monitoring system - comprises thermistor sensor in coolant line with timer marking out coolant delivery periods and fault signal indicator

Patent Assignee: MCNEIL LAB INC (MCNI)

Inventor: **COOK J F**

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4642614	A	19870210	US 86850946	A	19860411	198708 B

Priority Applications (No Type Date): US 83565718 A 19831227; US 86850946 A 19860411

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 4642614	A	15		

Abstract (Basic): US 4642614 A.

The monitoring system comprises a thermistor in the passage connected in a circuit for being energised and heated. The thermistor is in heat-exchange relation with fluid flowing in the passage to be cooled for varying its electrical resistance.

Periods are established during each of which a normal **delivery** of fluid should occur through the passage. A monitoring circuit is interconnected with the thermistor and the period-establishing appts and has a fault signal generator and a device operable in response to occurrence of a period without colling of the thermistor by a normal **delivery** of fluid during that period to actuate the fault signal. The circuit is conditioned in response to cooling of the thermistor by a normal **delivery** of fluid during a period to refrain from actuating the fault signal device at the termination of the period.

ADVANTAGE - Reduced complexity due to fewer component. Improved reliability

16/3,AB/29 (Item 29 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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004211321

WPI Acc No: 1985-038201/198507
XRAM Acc No: C85-016528
XRPX Acc No: N85-028429

Multistand reversing mill for beam rolling - with control system for minimising interstand tension

Patent Assignee: WESTINGHOUSE ELECTRIC CORP (WESE)

Inventor: COOK J W

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
AU 8428018	A	19841220	AU 8428018	A	19840515	198507 B

Priority Applications (No Type Date): US 83504100 A 19830615

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
AU 8428018	A		28		

Abstract (Basic): AU 8428018 A

A rolling mill, under minimal interstand tension, has stands, which operate alternately as an entry and a **delivery** stand, and an interposed edger stand, each stand having a motor drive including a motor and motor controller.

A pair of signal generators, at the entry stand, responds to speed and flux of the associated motor to generate a first signal proportional to motor drive losses and a second signal proportional to entry stand motor torque. Also provided are (i) a device associated with the entry stand to produce a signal proportional to entry stand roll force; (ii) a device responsive to beam entry into the entry stand for storing an initial value of the motor drive losses, initial torque of the entry stand motor and initial roll force of the entry stand; (iii) a device for reducing the stored initial torque value by the stored losses value to derive an initial effective torque value; (iv) a device, operative when the beam end reaches the **delivery** stand, for establishing a change in entry stand roll force from its initial value; and (v) a device for generating a torque correction signal in accordance with the effective torque value, the roll force change and the entry stand losses. The entry stand motor controller is responsive to the torque correction signal to minimise tension between the entry and **delivery** stand.

ADVANTAGE - Minimal interstand tension is achieved without the need for tension setting or measuring devices, such as loopers or tensionmeters between the stands

16/3,AB/30 (Item 30 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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004091890

WPI Acc No: 1984-237431/198438

XRPX Acc No: N84-177650

Golf practice device with teeing mechanism - has pedal-operated pneumatic master unit communicating with servo unit for raising tee above platform

Patent Assignee: COOK J L (COOK-I); COOXINT LTD (COOX-N)

Inventor: COOK J L

Number of Countries: 013 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 8403448	A	19840913	WO 84GB65	A	19840229	198438 B
AU 8425796	A	19840928				198450
EP 138861	A	19850502	EP 84900996	A	19840229	198518
JP 60500602	W	19850502				198524
US 4659081	A	19870421	US 84668726	A	19841029	198718
CA 1230144	A	19871208				198803

Priority Applications (No Type Date): GB 835734 A 19830302

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 8403448 A E 23

Designated States (National): AU JP US

Designated States (Regional): AT BE CH DE FR GB LU NL SE

EP 138861 A E

Designated States (Regional): DE FR GB SE

Abstract (Basic): US 4659081 A

The practice device comprises a tee movable through an opening in a platform between an upper position projecting above the platform and a lower position below the platform. A chamber is provided for a supply of golf balls. A mechanism is provided for freeing one ball at a time to be **delivered** to and squarely positioned on the tee when in the lower position.

A pneumatic servo unit mounts the tee and a master pneumatic unit is connected to the servo unit by a conduit. The master unit is movable by a user to produce a pressure difference causing movement of the servo unit.

ADVANTAGE - The golf practice device is relatively cheap to mfr. and simple to use, and can be used both indoors and outdoors.

(11pp

Abstract (Equivalent): WO 8403448 A

The golf practice device has a platform assembly (10) through which a player-operated pedal (34) extends. The pedal is connected to a pneumatic master unit (38) for actuating it, the master unit being connected by a conduit (40) to a pneumatic servo unit in a teeing mechanism (32).

The servo unit has a piston carrying a conical tee which is movable through an opening in the platform to project a ball above the platform. The device has a ball storage reservoir from which one ball at a time can be **delivered** to the teeing mechanism.

2/6

US 4659081 A

The practice device comprises a tee movable through an opening in a platform between an upper position projecting above the platform and a lower position below the platform. A chamber is provided for a supply of golf balls. A mechanism is provided for freeing one ball at a time to be **delivered** to and squarely positioned on the tee when in the lower position.

A pneumatic servo unit mounts the tee and a master pneumatic unit is connected to the servo unit by a conduit. The master unit is movable by a user to produce a pressure difference causing movement of the servo unit.

ADVANTAGE - The golf practice device is relatively cheap to mfr. and simple to use, and can be used both indoors and outdoors

18/3,AB/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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013416801

WPI Acc No: 2000-588739/200056

XRPX Acc No: N00-435662

**Server operating method for communication system has host computer
managing information stored in database**

Patent Assignee: CITIBANK DEV CENT (CITI-N); CITIBANK NA (CITI-N)

Inventor: GRANDCOLAS M L ; TOMPKINS P; YOUNG A

Number of Countries: 025 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1014646	A2	20000628	EP 99204462	A	19991222	200056 B

Priority Applications (No Type Date): US 98113632 A 19981222

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
EP 1014646	A2	E 16	H04L-029/06	

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
LI LT LU LV MC MK NL PT RO SE SI

Abstract (Basic): EP 1014646 A2

Abstract (Basic):

NOVELTY - Server (30) acts as translator between the access gateway (32) and host computer (5). It extracts information from messages passed to it by the access gateway, reconfigures it into a format understandable by host computer and forwards the reconfigured data as another message to host computer.

USE - Communication system.

ADVANTAGE - Provides global, universal access to various bank services, purchasing of goods and services and data.

DESCRIPTION OF DRAWING(S) - Drawing shows a system of the server.

Host computer (5)

Server (30)

Access gateway (32)

pp; 16 DwgNo 4/7

18/3,AB/2 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011855567

WPI Acc No: 1998-272477/199824

XRPX Acc No: N98-213866

**Harmonising access to software application via different devices in e.g.
financial institutions - in which information identifying user's device
type and application program to be accessed is received and translated
into format compatible with application**

Patent Assignee: TRANSACTION TECHNOLOGY INC (TRAN-N)

Inventor: ANTHONY W W; GRANDCOLAS M L ; LAW P; MOSS L; PETACH T A;
TOMPKINS P

Number of Countries: 077 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9819265	A1	19980507	WO 96US20289	A	19961230	199824 B
AU 9716862	A	19980522	AU 9716862	A	19961230	199840
ZA 9610697	A	19980826	ZA 9610697	A	19961219	199840
US 5867153	A	19990202	US 96741121	A	19961030	199912
TW 346600	A	19981201	TW 97107219	A	19970528	199919
EP 941514	A1	19990915	EP 96945624	A	19961230	199942
			WO 96US20289	A	19961230	

Priority Applications (No Type Date): US 96741121 A 19961030

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
WO 9819265	A1	E 40	G06F-157/00	

Designated States (National): AL AM AT AU AZ BA BB BG BR CA CH CN CU
CZ DE DK EE ES FI GB GE HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV
MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG UZ
VN

Designated States (Regional): AT BE CH DE DK EA ES FI FR GB GR IE IT KE
LS LU MC MW NL OA PT SD SE SZ UG

AU 9716862 A G06F-157/00 Based on patent WO 9819265

ZA 9610697 A 42 G06F-000/00

EP 941514 A1 E G06F-017/00 Based on patent WO 9819265

Designated States (Regional): AL AT BE CH DE DK ES FI FR GB GR IE IT LI
LT LU LV MC NL PT RO SE SI

US 5867153 A G06F-015/00

TW 346600 A G06F-009/06

Abstract (Basic): WO 9819265 A

The software application access method involves receiving information from a user via the user's access device (10), which includes information identifying the type of device being used and the application program (14) the user wishes to access. The application is then accessed and the information to be displayed to the user is identified. The information is automatically translated into a format which is compatible with the device, including its display, and sent to the device (10) for display.

The user inputs information in response to the displayed information, and the information is automatically translated into a format which is compatible with the application program (14), and is sent to the application program. The response generated by the application program (14) is automatically translated to be compatible with the device and is sent to the device (10).

USE - Automatically harmonising access to software application program via different access devices e.g. automated bill payment services.

ADVANTAGE - Enables financial institutions to 'leverage' existing programs because institution can 'project' existing stock onto new access devices.

Dwg.1/17

24/3,AB/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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012745408

WPI Acc No: 1999-551525/199946

XRPX Acc No: N99-408075

Multitasking, preemptive, priority based operating device for processor used in computer system

Patent Assignee: MOTOROLA INC (MOTI)

Inventor: LINDSLEY B L ; DAYAN U; TARRAB M

Number of Countries: 083 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9946679	A1	19990916	WO 99US5112	A	19990309	199946 B
AU 9929924	A	19990927	AU 9929924	A	19990309	200006
US 6128672	A	20001003	US 9837692	A	19980310	200050

Priority Applications (No Type Date): US 9841101 A 19980310; US 9837173 A 19980310; US 9837692 A 19980310

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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WO 9946679	A1	E 133	G06F-009/46	
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Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ UG ZW

AU 9929924	A	G06F-009/46	Based on patent WO 9946679
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US 6128672	A	G06F-003/00	
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Abstract (Basic): WO 9946679 A1

Abstract (Basic):

NOVELTY - A task scheduling accelerator (2), coupled to a host processor (1), accelerates the real time multitasking decisions using scheduling decisions responsive to tasks in the host processor. The host processor, for processing a plurality of tasks, uses a task scheduling accelerator interrupt service routine unit (10) for responding to the task scheduling accelerator

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) a method for implementing a multitasking, preemptive, priority based operating device for operating system functions;

(b) an article of manufacture having a multitasking, preemptive, priority based operating processing device;

(c) a device for transfer of data items between a host processor and an external device;

(d) a method of transfer of data items between a host processor and an external device;

(e) a task scheduling accelerator device for determining and controlling multitasking;

(f) an article of manufacture having a task scheduling accelerator device for determining and controlling multitasking.

USE - For processor used in computer system.

ADVANTAGE - Performs quick determination of scheduling decisions since scheduling decisions are moved to an external accelerator device. Improves software task scheduling implementations. Improves hardware devices. Reduces manufacturing cost of hardware devices since amount of stored information is minimized. Maximizes efficiency by overlapping scheduling computations for determining ready tasks with host processor. Reduces system cost without imposing restrictions since efficient partitioning of information stored between the hardware and in the host computer is performed. Improves the performance of the real time task scheduling without imposing constraints on the functionality of the system.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the multitasking, preemptive, priority based operating device.

Host processor (1)
Task scheduling accelerator (2)
Task scheduling accelerator interrupt service routine unit (10)
pp; 133 DwgNo 1/41

24/3,AB/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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010905673

WPI Acc No: 1996-402624/199640

XRPX Acc No: N96-339177

Preventing overflow and underflow of encoder buffer in video compression system - controlling delay of bitstream corresp to instantaneous channel bit-rate and transmitted from encoder buffer to decoder buffer, to synchronise encoder and decoder buffer fullness

Patent Assignee: MOTOROLA INC (MOTI)

Inventor: AUYEUNG C; LEVINE S N; LINDSLEY B L

Number of Countries: 020 Number of Patents: 008

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9626595	A1	19960829	WO 95US16358	A	19951214	199640 B
AU 9645200	A	19960911	AU 9645200	A	19951214	199651
EP 758509	A1	19970219	EP 95943824	A	19951214	199713
			WO 95US16358	A	19951214	
US 5619341	A	19970408	US 95392583	A	19950223	199720
AU 678926	B	19970612	AU 9645200	A	19951214	199732
EP 758509	A4	19970502	EP 95943824	A		199735
CA 2186627	C	20000808	CA 2186627	A	19951214	200051
			WO 95US16358	A	19951214	
CN 1146265	A	19970326	CN 95192611	A	19951214	200106

Priority Applications (No Type Date): US 95392583 A 19950223

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 9626595	A1	E	16	H04N-001/00	
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Designated States (National): AU CA CN

Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

AU 9645200	A			H04N-001/00	Based on patent WO 9626595
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EP 758509	A1	E	1	H04N-001/00	Based on patent WO 9626595
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Designated States (Regional): DE FR GB

US 5619341	A		6	H04N-001/00	
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AU 678926	B			H04N-001/00	Previous Publ. patent AU 9645200
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Based on patent WO 9626595

EP 758509	A4			H04N-001/00	
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CA 2186627	C	E		H04N-007/26	Based on patent WO 9626595
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CN 1146265	A			H04N-001/00	
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Abstract (Basic): WO 9626595 A

The method of preventing overflow and underflow of an encoder buffer involves creating a virtual buffer in a rate controller to model the decoder buffer fullness (102), and generating a sequence of bits using an encoder (104) which is controlled by the rate controller to prevent a decoder buffer underflow and overflow. The sequence of bits is received by the encoder buffer to produce a bitstream (106) which corresp to an instantaneous channel bit-rate.

The bit-stream is transmitted from the encoder buffer to a decoder buffer following a delay (108). The delay is controlled by a rate controller to synchronise an encoder buffer fullness with a virtual buffer fullness (110). The synchronisation prevents overflow and underflow of the encoder buffer.

USE - Controlling encoder buffer used to store compressed video data in video communication systems.

Dwg.2/3

Abstract (Equivalent): US 5619341 A

A method for preventing overflow and underflow of an encoder buffer

in a video compression system, the method comprising the steps of:

a) using a virtual buffer, in a rate controller, to model a decoder buffer fullness;

b) generating a sequence of bits by an encoder, wherein the encoder is controlled by the rate controller to prevent a decoder buffer underflow and overflow;

c) receiving the sequence of bits by the encoder buffer to produce a bitstream;

d) transmitting the bitstream from the encoder buffer to a decoder buffer following a delay to produce a delayed bitstream, wherein the delayed bitstream corresponds to an instantaneous channel bitrate; and

e) controlling the delay by the rate controller to synchronize an encoder buffer fullness with a virtual buffer fullness, wherein the synchronization prevents overflow and underflow of the encoder buffer,

wherein a predetermined encoder buffer size is larger than a predetermined decoder buffer size,

wherein the delay is based on the predetermined decoder buffer size, an initial decoder buffer fullness, a predetermined average channel bitrate, and a predetermined frame rate.

Dwg.2/3

24/3,AB/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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008937822

WPI Acc No: 1992-065091/199208

XRPX Acc No: N92-048937

**Transcendental function evaluation esp. for mathematics library -
utilises approximation value and memory device to determine exponential
value with which correction is applied to produce result**

Patent Assignee: MOTOROLA INC (MOTI)

Inventor: LINDSLEY B L ; LINDSLEY B

Number of Countries: 004 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9201985	A	19920206				199208 B
US 5177702	A	19930105	US 90555325	A	19900719	199304
JP 5508724	W	19931202	JP 91513622	A	19910624	199402
			WO 91US4443	A	19910624	
KR 9702393	B1	19970305	WO 91US4443	A	19910624	199935
			KR 93700172	A	19930119	

Priority Applications (No Type Date): US 90555325 A 19900719

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9201985 A

Designated States (National): CA JP KR

US 5177702 A 8 G06F-007/38

JP 5508724 W G06F-007/556 Based on patent WO 9201985

KR 9702393 B1 G06F-007/38

Abstract (Basic): WO 9201985 A

Provides a method for processing an input value to generate an output exponential value of a desired base, raised to the power of the input value. A first adjuster (102) adjusts the input value, a predetermined base and the desired base of the output to obtain a scaled value, and modifier (104) generates an approximation value. The function generator (108) determines the first exponential value with the predetermined base. Error adjuster (106) generates an adjuster value to be combined with the exponential value to produce the result.

ADVANTAGE - Provides efficient exponential evaluation for use in maths libraries in microprocessor chips and compilers.

Abstract (Equivalent): US 5177702 A

The appts. processes an input value to provide an output exponential value of a desired base raised to the power of the input value. The apparatus includes hardware for adjusting the output value

relative to the input value, a predetermined base of a first exponential value, and the desired base of the output exponential value to obtain a first scaled value.

The scaled value is modified to obtain an approximation value. The first exponential value of the approximation value is determined. An adjusted error value relative to the first scaled value, the approximation value, and a logarithm of the predetermined base of the first exponential value is generated. A correction value is determined for the first exponential value and the first exponential value is combined with the correction value to obtain, the output exponential value having the desired base raised to the power of the input value.

USE - For evaluating exponentials.

Dwg.1a/3

24/3,AB/4 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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008937821

WPI Acc No: 1992-065090/199208

XRPX Acc No: N92-048936

Digital signal processing for evaluating trigonometric functions - includes modifier, error generator, function generators, correction evaluator and combiner to provide output function for input value

Patent Assignee: MOTOROLA INC (MOTI)

Inventor: LINDSLEY B L

Number of Countries: 004 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9201984	A	19920206				199208	B
US 5222036	A	19930622	US 90555337	A	19900719	199326	
JP 5508721	W	19931202	JP 91511777	A	19910617	199402	
			WO 91US4310	A	19910617		
CA 2084885	C	19940426	CA 2084885	A	19910617	199422	
KR 9507877	B1	19950721	WO 91US4310	A	19910617	199716	
			KR 93700517	A	19930111		

Priority Applications (No Type Date): US 90555337 A 19900719

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5222036	A		14	G06F-007/548	
JP 5508721	W			G06F-007/548	Based on patent WO 9201984
CA 2084885	C			G06F-007/548	
KR 9507877	B1			G06F-007/38	

Abstract (Basic): WO 9201984 A

The device and method process an input value to provide at least one output trigonometric function value. Modification apparatus is responsive to the input value for generating an approximation value and an error generator is responsive to the input value and the modification apparatus. Two function generators are responsive to the modification appts. for generating second function values.

A correction evaluator is responsive to the error generator for determining at least one correction value and apparatus responsive to the correction evaluator, the first function generator, and the second function generator determines the at least one output trigonometric function value of the input value.

ADVANTAGE - Efficient floating point trigonometric function evaluator. 1A/5

Abstract (Equivalent): US 5222036 A

The trigonometric function processor comprises device for modifying the input to obtain an approximation value, determining an error value with respect to the approximation value, generating first and second function values with respect to the approximation value, the first and second function values typically being trigonometric function values and typically being obtained from a memory device, determining at least one correction value utilising a predetermined number of terms of at

least one power series, and combining the at least one correction value with the first and second function values to determine the output trigonometric function value.

USE - Trigonometric functions processor, outputting sine, cosine and tangent function value, with their reciprocals readily determined.
Dwg.1/2

24/3,AB/5 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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008937819

WPI Acc No: 1992-065088/199208

XRPX Acc No: N92-048934

Device for evaluating inverse trigonometric functions - includes modifier, correction factor generator, function generator and combiner for intermediate function value and correction factor

Patent Assignee: MOTOROLA INC (MOTI); LINDSLEY B L (LIND-I); STOCKLEY D J (STOC-I)

Inventor: LINDSLEY B L ; STOCKLEY D J

Number of Countries: 004 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9201982	A	19920206				199208 B
JP 5509185	W	19931216	JP 91512901	A	19910624	199404
			WO 91US4442	A	19910624	
US 5305246	A	19940419	US 90555324	A	19900719	199415
			US 92924354	A	19920731	
			US 935853	A	19930115	
KR 9612840	B1	19960924	WO 91US4442	A	19910624	199926
			KR 93700159	A	19930119	

Priority Applications (No Type Date): US 90555324 A 19900719; US 92924354 A 19920731; US 935853 A 19930115

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 9201982	A				
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Designated States (National): CA JP KR

JP 5509185	W		G06F-007/548	Based on patent WO 9201982
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US 5305246	A	11	G06F-015/31	Cont of application US 90555324
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Cont of application US 92924354

KR 9612840	B1		G06F-001/02	
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Abstract (Basic): WO 9201982 A

The device for processing an input value provides at least one inverse trigonometric function value of the input value. Modification apparatus is responsive to the input value and error generating apparatus is responsive to the modification apparatus and the input value. A first scaling factor generating apparatus is responsive to the modification apparatus and a function generating apparatus is responsive to the modification apparatus. Correction factor generating apparatus is responsive to the error generating apparatus, the modification apparatus and the first scaling factor generating apparatus.

A first combining apparatus is responsive to the function generating apparatus and correction factor generating apparatus for determining at least one output inverse trigonometric function value of the input value.

ADVANTAGE - Fast, efficient determination of inverse trigonometric function. 1A/2

Abstract (Equivalent): US 5305246 A

A modifier (104) is responsive to an input value (102) received by the processor for determining an approximation value of the input value. An error signal is generated in response to the modifier and the input value. A read-only memory (ROM) is responsive to the modifier for generating at least a first scaling factor which is equal to inverse of square root of $(1 - (a \text{ squared}))$, where a is the approximation value.

A function generator (106) is responsive to the modifier for

determining an intermediate value such that the output of it and the error generator, the modifier, and the read-only memory are used for determining (108) at least one correction value. The function generator and correction factor generator outputs are combined (110) for determining (112) at least one output inverse trigonometric function value of the input value.

Dwg.1/2

24/3,AB/6 (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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008937818

WPI Acc No: 1992-065087/199208

XRPX Acc No: N92-048933

Logarithm evaluation for computer system - by generating first logarithm of approximation value, scaling to natural value and combining with correction value

Patent Assignee: MOTOROLA INC (MOTI)

Inventor: LINDSLEY B L

Number of Countries: 004 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9201981	A	19920206				199208 B
JP 5508950	W	19931209	JP 91511935	A	19910617	199403
			WO 91US4308	A	19910617	
US 5301138	A	19940405	US 90555321	A	19900719	199413
			US 92898393	A	19920611	
			US 9319988	A	19930217	
KR 9603060	B1	19960304	WO 91US4308	A	19910617	199911
			KR 93700158	A	19930119	

Priority Applications (No Type Date): US 90555321 A 19900719; US 92898393 A 19920611; US 9319988 A 19930217

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 9201981	A				
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Designated States (National): CA JP KR

JP 5508950	W			G06F-007/556	Based on patent WO 9201981
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US 5301138	A	10		G06F-001/02	Cont of application US 90555321
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Cont of application US 92898393

KR 9603060	B1			G06F-001/02	
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Abstract (Basic): WO 9201981 A

The method processes an input value to provide an output logarithm value of the input value, with a desired base. Modification apparatus, responsive to the input value, generates an approximation value. A first function generator, responsive to the modification apparatus, utilises the approximation value to determine a first intermediate value. An error generator is responsive to the input value and the modification apparatus and includes apparatus for first division and substation.

Correction evaluation apparatus is responsive to the error generator and utilises the error value. Combining apparatus, responsive to the first function generator and the correction evaluator, utilises the first intermediate value and the correction value to obtain the output logarithm value.

ADVANTAGE - Efficient evaluation of logarithm functions that could be implemented entirely in software. 1A/3

Abstract (Equivalent): US 5301138 A

An electrical apparatus for processing an input value to provide an output logarithm approximation value, comprises a modification device, responsive to the input value, for generating an approximation value represented by at least one electrical signal. A read only memory (ROM), is responsive to the modification device, for utilizing the approximation value to determine a first intermediate value represented by at least one electrical signal. A error generator, is responsive to

the input value and the modification device, for utilizing the input value and the approximation value to generate an error value represented by at least one electrical signal.

A correction evaluator, is responsive to the error generator, for utilizing the error value to determine a correction value represented by at least one electrical signal. A combining device, is responsive to the read only memory (ROM) and the correction evaluator, for utilizing the first intermediate value and the correction value to obtain the output logarithm approximation value having the desired degree of accuracy and being represented by at least one electrical signal.

ADVANTAGE - Provides alternative of conserving hardware costs and improving physical space requirements.

Dwg.1a/3

24/3,AB/7 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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008719059

WPI Acc No: 1991-223078/199130

XRPX Acc No: N91-170245

Processing of digital data requiring convergent division - using digital computer containing stored program to perform convergent division

Patent Assignee: MOTOROLA INC (MOTI)

Inventor: **LINDSLEY B L**

Number of Countries: 016 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9110190	A	19910711				199130 B
EP 461240	A	19911218	EP 91902487	A	19901217	199151
JP 4504774	W	19920820	WO 90US7431	A	19901217	199240
			JP 91502826	A	19901217	
KR 9408617	B1	19940924	WO 90US7431	A	19901217	199633
			KR 91701004	A	19910827	

Priority Applications (No Type Date): US 89459090 A 19891229

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 9110190	A		22		
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Designated States (National): CA JP KR

Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LU NL SE

EP 461240	A				
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Designated States (Regional): DE FR GB

JP 4504774	W	6	G06F-007/52	Based on patent WO 9110190
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KR 9408617	B1		G06K-007/52
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Abstract (Basic): WO 9110190 A

The processing of all data inputs is conducted in a digital computer which utilises a computer program. The program modifies and propagates data inputs through a convergent division algorithm.

A divisor input is assigned a seed value according to a predetermined categorisation of divisor inputs. This is modified to indicate a divisor value suitable for efficient propagation. The solution of a convergent division algorithm results in shorter computation time by use of carefully selected seed values and modified divisor values.

ADVANTAGE - Improved effectiveness of signal processing, reducing computation time.

Dwg.2/7

24/3,AB/8 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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008719058

WPI Acc No: 1991-223077/199130

XRPX Acc No: N91-170244

Binary floating point arithmetic rounding method - uses high speed processor to enable to operation of remainderless division and square root algorithms to obtain rounded outputs

Patent Assignee: MOTOROLA INC (MOTI)

Inventor: LINDSLEY B L ; LIU C

Number of Countries: 003 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9110189	A	19910711				199130	B
EP 461241	A	19911218	EP 91902488	A	19901217	199151	
JP 4507023	W	19921203	WO 90US7351	A	19901217	199303	
			JP 91502792	A	19901217		
CA 2045662	C	19940426	CA 2045662	A	19901217	199422	
KR 9408611	B1	19940924	WO 90US7351	A	19901217	199633	
			KR 91701019	A	19910829		

Priority Applications (No Type Date): US 89459021 A 19891229

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 4507023	W		21	G06F-007/38	Based on patent WO 9110189
CA 2045662	C			G06F-007/38	
KR 9408611	B1			G06F-007/38	

Abstract (Basic): WO 9110189 A

The high speed processor is used to perform a set of mathematical operations enabling a value, R, in conformance with the IEEE 754-1985 binary floating point arithmetic standard. A digital arithmetic unit is used within the processor to enable processing of the signals. The outputs are generated by remainderless division algorithms (102) and remainderless square root algorithms so as to obtain rounded outputs (112).

The solutions of floating point computations such as sign bits and binary bits are rounded up in full compliance with all guidelines regarding the stated standard.

USE/ADVANTAGE - Floating point division and square root algorithms. Provides high speed processing of data requiring division and square root arithmetic operations. (63pp Dwg.No.1/37)

24/3,AB/9 (Item 9 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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008719057

WPI Acc No: 1991-223076/199130

XRPX Acc No: N91-170243

High-speed convergence factor determination - using high speed processor which inverts selected binary bits to form modified factor and utilises factor in computation

Patent Assignee: MOTOROLA INC (MOTI)

Inventor: LINDSLEY B L

Number of Countries: 004 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9110188	A	19910711				199130	B
EP 461230	A	19911218	EP 91901464	A	19901203	199151	
JP 4505978	W	19921015	WO 90US7034	A	19901203	199248	
			JP 91501946	A	19901203		
US 5305247	A	19940419	US 89458915	A	19891229	199415	
			US 91715003	A	19910613		
			US 91806778	A	19911212		
			US 92956446	A	19921002		
CA 2050353	C	19940830	CA 2050353	A	19901203	199436	
KR 9408610	B1	19940924	WO 90US7034	A	19901203	199633	
			KR 91701002	A	19910827		

Priority Applications (No Type Date): US 89458915 A 19891229; US 91715003 A

19910613; US 91806778 A 19911212; US 92956446 A 19921002

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 4505978	W		6	G06F-007/52	Based on patent WO 9110188
US 5305247	A		8	G06F-007/38	Cont of application US 89458915
					Cont of application US 91715003
					Cont of application US 91806778
CA 2050353	C			G06F-007/38	
KR 9408610	B1			G06F-007/38	

Abstract (Basic): WO 9110188 A

One or more data manipulation and storage devices iterate the determination of a convergence factor until a solution with a predetermined degree of accuracy is reached for the mathematical determination invoked. The high speed processor utilises combinational logic and range limitation for a modified input value.

The input value (101) is modified to a value in a limited range (104), which is then partitioned into two subdivisions (106,108). A program control unit, two groups enable program memory, ALU and status register and connected via a bus to the main memory.

USE/ADVANTAGE - Floating point convergent division and square root algorithm. Required accuracy may be achieved more efficiently and faster. (113pp Dwg.No.1/4)

Abstract (Equivalent): US 5305247 A

A high-speed processor uses combinational logic and range limitation for a modified input value to increase efficiency in convergence factor determination for convergent division and square root computation. An input value is modified to a value in a limited range, which is then partitioned into two subdivisions.

By using these two groupings, the processing platform minimises time consumption in conversion factor determination by inverting selected binary bits to form a modified factor and utilises that modified factor to facilitate high-speed convergence factor computation.

ADVANTAGE - Avoids subtraction and carry-propagation operation, allowing both convergent algorithm computations to be limited primarily by multiplier latency factor.

(Dwg.1/4)

24/3,AB/10 (Item 10 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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008719056

WPI Acc No: 1991-223075/199130

XRPX Acc No: N91-170242

High speed determination JTH roots and reciprocals - uses lindsley's law and multiplication to reduce error and increase calculation speed

Patent Assignee: MOTOROLA INC (MOTI)

Inventor: LINDSLEY B L ; LINDSEY B J

Number of Countries: 017 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9110187	A	19910711				199130	B
EP 461214	A	19911218	EP 90917368	A	19901113	199151	
JP 4504773	W	19920820	WO 90US6532	A	19901113	199240	
			JP 91500543	A	19901113		
US 5253215	A	19931012	US 89459041	A	19891229	199342	
			US 91715002	A	19910613		
KR 9408609	B1	19940924	WO 90US6532	A	19901113	199633	
			KR 91701001	A	19910827		
EP 461214	B1	19970806	EP 90917368	A	19901113	199736	
			WO 90US6532	A	19901113		
DE 69031215	E	19970911	DE 631215	A	19901113	199742	
			EP 90917368	A	19901113		
			WO 90US6532	A	19901113		

Priority Applications (No Type Date): US 89459041 A 19891229, US 91715002 A 19910613

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 9110187	A				
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Designated States (National): CA JP KR

Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LU NL SE

EP 461214	A				
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Designated States (Regional): DE FR GB

JP 4504773	W	10	G06F-007/552	Based on patent WO 9110187
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US 5253215	A	9	G06F-007/38	Cont of application US 89459041
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EP 461214	B1 E	25	G06F-007/38	Based on patent WO 9110187
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Designated States (Regional): DE FR GB

DE 69031215	E		G06F-007/38	Based on patent EP 461214
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Based on patent WO 9110187

KR 9408609	B1		G06F-007/38	
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Abstract (Basic): WO 9110187 A

The method and apparatus is for the high speed determination of J(th) roots and reciprocals of J(th) roots via 'Lindsley's law'. This law is a polynomial convergence algorithm, suitable for high convergence rates. The invention uses multiplication (114, 116, 118 and 120) instead of addition, as the iterative operator, thereby reducing error at a rate relative to the power of a selected convergence rate. (26pp Dwg.No.1/2)

Abstract (Equivalent): EP 461214 B

A numeric processor for processing electrical signals to determine a reciprocal of a desired jth root of an input value S other than $S = \pm\omega$, ± 0 , or Not-a-Number (NaN), based on an input value m reflecting a desired convergence rate m and an input value j reflecting a magnitude of j for a desired reciprocal jth root, comprising: (A) first selecting means (104) for applying electrical signals responsive to the input value S to select an input value S other than $S = \pm\omega$, ± 0 , or NaN; (B) second selecting means (102) for applying electrical signals responsive to the input value j to select j; (C) third selecting means (102) for applying electrical signals responsive to the input value m to select m; (D) first determining means (108) for applying electrical signals responsive to the first selecting means and the second selecting means to determine b such that b is approximately equal to the reciprocal of the jth root of S; (E) second determining means (110) for applying electrical signals responsive to the second selecting means and the first determining means to determine b such that b is raised to the power of j; (F) third determining means (112) for applying electrical signals responsive to the first selecting means and the second determining means to determine x such that $x = S * bj$; (G) fourth determining means (114) for applying electrical signals responsive to the second selecting means, the third selecting means, and the third determining means to determine a convergence factor d such that d is obtained as a solution of an error equation $x * (fj[m](x))^j = 1 - \Delta$, also expressible as $(1 - \Delta)^m$ where: $\Delta = 1 - x$; $fj[m](\Delta)$ is an m-th order polynomial in terms of Δ that when raised to the jth power and multiplied by $(1 - \Delta)$ causes an error Δ to be decreased by the mth power; $fj[m](\Delta) = 1 + A_1 \Delta + A_2 \Delta^2 + A_3 \Delta^3 + \dots + A_{m-1} \Delta^{m-1}$; 0 less than 1 - Δ less than 2; $(fj[m](\Delta))^j$ is expanded and multiplied by $(1 - \Delta)$ as indicated; all terms that contain Δ^p such that p greater than m are eliminated, obtaining an equation with coefficients g_1 through g_m of the form $1 + g_1 \Delta + g_2 \Delta^2 + g_3 \Delta^3 + \dots + g_m \Delta^m = 1 - k \Delta^m$; the coefficients of terms Δ^1 , Δ^2 , Δ^3 , ..., Δ^{m-1} are equated to zero yielding solutions for the A_1 through A_{m-1} coefficients above; $(1-x)$ is substituted for Δ to obtain $fj[m](x) = 1 + K_1 x + K_2 x^2 + K_3 x^3 + \dots + K_m x^m$, where the K's are functions of the A's; such that convergence factor of $d = fj[m](x)$; (H) fifth determining means (116) for applying electrical signals responsive to the second selecting means and the fourth determining means to determine dj such that d is raised to the

per of j; (I) sixth determining means (118) for applying electrical signals responsive to the third determining means and the fifth determining means to determine a new x such that $x = x * dj$; and (J) seventh determining means (120) for applying electrical signals responsive to the first determining means and the fourth determining means to determine a new b such that $b=b * d$ and b appears as an output signal.

Dwg.1/2

Abstract (Equivalent): US 5253215 A

An error equation is expanded and solved through strategic elimination of selective terms, together with assignment of a zero value to appropriate coefficients, providing a convergence factor that is implemented iterably to determine a reciprocal of a desired root of an input value until a soln. with a desired degree of accuracy is obtained.

The method utilises 'Lindsley's Law', a polynomial convergence algorithm, to implement reciprocal jth root, and hence, jth root itself, computations of desired inputs. The method emphasises multiplication as the iterative operator.

(Dwg.1/2)

24/3,AB/11 (Item 11 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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007885775

WPI Acc No: 1989-150887/198920

XRPX Acc No: N89-115251

User interactive speech recognition control system e.g. for telephone - reads back strings of keyword such as digits via speech synthesiser after pause, then corrects as necessary

Patent Assignee: MOTOROLA INC (MOTI)

Inventor: GERSON I A; LINDSLEY B L

Number of Countries: 015 Number of Patents: 009

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 8904035	A	19890505	WO 88US2851	A	19880824	198920 B
US 4870686	A	19890926	US 87110144	A	19871019	198948
EP 389514	A	19901003	EP 88909654	A	19880824	199040
JP 3500693	W	19910214	JP 88508908	A	19880824	199113
CA 1312668	C	19930112	CA 574731	A	19880815	199308
EP 389514	A4	19920520	EP 88909654	A	19880000	199522
EP 389514	B1	19960327	EP 88909654	A	19880824	199617
			WO 88US2851	A	19880824	
DE 3855164	G	19960502	DE 3855164	A	19880824	199623
			EP 88909654	A	19880824	
			WO 88US2851	A	19880824	
KR 129856	B1	19980411	WO 88US2851	A	19880824	200010
			KR 89701098	A	19890619	

Priority Applications (No Type Date): US 87110144 A 19871019

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 8904035 A E 33

Designated States (National): JP KR

Designated States (Regional): AT BE CH DE FR GB IT LU NL SE

US 4870686 A 11

EP 389514 A

Designated States (Regional): AT BE CH DE FR GB IT LI LU NL SE

EP 389514 B1 E 17 G10L-005/06 Based on patent WO 8904035

Designated States (Regional): AT BE CH DE FR GB IT LI LU NL SE

DE 3855164 G G10L-005/06 Based on patent EP 389514

Based on patent WO 8904035

KR 129856 B1 G10L-005/06

CA 1312668 C G10L-005/06

Abstract (Basic): WO 8904035 A

The control system, for a speech communication device, reliably enters a complete sequence of user-spoken utterances, such as an eleven-digit telephone number. The voice command control system includes a speech recognition unit which recognises a number of partial-sequence variable-length strings of user spoken utterances as corresponding to a number of predetermined keywords, such as digits.

The control system (120) provides a pause signal after the first utterance string has ceased for predetermined pause time interval, and then provides an indication to the user of the keywords which were recognised in response to the first utterance string. The control system also provides a mechanism for correcting particular keywords in response to the pause signal and in response to the recognition of a second utterance string corresponding to a predetermined error command keyword.

USE/ADVANTAGE - With hands free voice command automatic dialling system especially useful in noisy environment such as found in vehicular radio-telephone system. String of keywords can be entered and verified more reliably.

1/2

Abstract (Equivalent): EP 389514 B

A user-interactive method of controlling an electronic device (140), comprising the steps of: recognizing (210) keywords, enunciated by a user, contained in one or more speech utterance strings having a variable number of keywords, the number of enunciated keywords in a speech utterance string determined by the user during enunciation of said keywords, each speech utterance string followed by a pause time interval; providing a pause signal (252, 256, 258) after a speech utterance string has ceased for a predetermined pause time; providing an indication (260) to the user, in response to said pause signal, of particular keywords utterance string occurring before said pause signal; and correcting (234, 238) particular keywords in response to said pause signal and in response to the recognition of a predetermined error command keyword (230) contained in a speech utterance string occurring after said pause signal.

Dwg. 1/2b

Abstract (Equivalent): US 4870686 A

The user-interactive speech recognition control system recognises a complete sequence of keywords (e.g. a telephone number such as 123-4567) via entering, verifying and editing variable-length utterance strings (e.g. 1-2-3; 4-5; 6-7) separated by the user-defined placement of pauses. The device controller (120) utilises timers (124) to monitor the pause time between partial-sequence digit strings recognised by the speech recogniser (110). When a string of digits is followed by a predetermined pause time interval, the recognised digits will be replied via the speech synthesizer (130). An additional string of digits can then be entered, and only the subsequent string will be replied after the next pause.

Furthermore, the user has the flexibility to correct only the last digit string entered, or the entire sequence. Hence, if there is an error in only one digit, the erroneous digit string can be corrected without having to re-enter the entire digit sequence.

USE - Hands-free voice command dialing system for mobile radiotelephone, where vehicular background noise may affect recognition accuracy. (11pp)

24/3, AB/12 (Item 12 from file: 350)

DIALOG(R) File 350: Derwent WPIX

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007849459

WPI Acc No: 1989-114571/198915

XRPX Acc No: N89-087507

Reliably terminating telephone call by voice command - using two separate speech utterance(s) in proper sequence with max. pause time interval to meet speech recognition matching criteria

Patent Assignee: MOTOROLA INC (MOTI); CONCURRENT LOGIC INC (CONC-N)

Inventor: GERSON I A; LINDSLEY B L

Number of Countries: 018 Number of Patents: 012

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 8903139	A	19890406				198915 B
AU 8823826	A	19890418				198930
US 4945570	A	19900731	US 89399341	A	19890825	199033
JP 2502149	W	19900712				199034
BR 8807726	A	19900807				199036
EP 393059	A	19901024	EP 88908527	A	19880824	199043
CA 1290871	C	19911015				199150
IL 87377	A	19920115				199209
EP 393059	A4	19901212	EP 88908527	A	19880000	199514
EP 393059	B1	19950308	EP 88908527	A	19880824	199514
			WO 88US2885	A	19880824	
DE 3853294	G	19950413	DE 3853294	A	19880824	199520
			EP 88908527	A	19880824	
			WO 88US2885	A	19880824	
KR 9604692	B1	19960411	WO 88US2885	A	19880824	199914
			KR 89700967	A	19890531	

Priority Applications (No Type Date): US 87105151 A 19871002; US 89399341 A 19890825

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
WO 8903139	A	E 30		
				Designated States (National): AU BR JP KR
				Designated States (Regional): AT BE CH DE FR GB IT LI LU NL SE
US 4945570	A	11		
EP 393059	A			
				Designated States (Regional): AT BE CH DE FR GB IT LI LU NL SE
EP 393059	B1	E 16	H04B-001/46	Based on patent WO 8903139
				Designated States (Regional): AT BE CH DE FR GB IT LI LU NL SE
DE 3853294	G		H04B-001/46	Based on patent EP 393059
				Based on patent WO 8903139
KR 9604692	B1		H04B-001/46	

Abstract (Basic): WO 8903139 A

The speech communications device is controlled by a command signal provided by a voice command control system in response to user-spoken command words. The voice command control system includes a speech recognition unit which recognises a first user -spoken utterance as one corresponding to a first predefined command word and produces a first detect signal in response to such recognition. It recognizes a second user-spoken utterance as one corresponding to a second predefined command word and produces a second detect signal in response.

The control system further includes a device controller which provides the command signal only in response to the occurrence of the first detect signal followed by the second detect signal within a predetermined recognition time interval. The recognition of the second command word does not provide the command signal if the predefined maximum pause time interval is exceeded.

USE/ADVANTAGE - In noisy environments such as automotive telephone systems. Gives reliable method of terminating call by voice command in such as hands-free device. (30pp Dwg.No.1/2)

Abstract (Equivalent): EP 393059 B

A speech communications device (140) having a voice command control system for controlling a voice communication path established by said speech communications device, said voice command control system characterised by: a speech recognizer (110) for recognising sequential first and second user-spoken utterances at least in the time said voice communication path is established, the speech recogniser (110) including: first means for recognising, during the time said voice communication path is established, said first user-spoken utterance as one corresponding to a first predetermined command word, and for producing a first detect signal in response to such recognition; second means for recognising said second user-spoken utterance as one corresponding to a second predetermined command word, for producing a second detect signal in response to such recognition if said second

predetermined command word is recognised, and for cancelling said recognition of said first predetermined command word if said second predetermined command word is not recognised; and decision means (120) for providing a command signal to said speech communications device (140) in response to said second detect signal occurring within a predetermined recognition time interval after said first detect signal.

Dwg.1/2b

Abstract (Equivalent): US 4945570 A

The reliable method for terminating a telephone call uses a specific sequence of steps performed by the hands-free control system. The method requires that the call terminating command sequence be recognised as: (1) two separate speech utterances (e.g., TERMINATE and CONVERSATION); (2) in proper sequence (e.g., TERMINATE first, then CONVERSATION); (3) with a maximum pause time interval between the end of the first utterance and the start of the second utterance (e.g., 300 milliseconds); and (4) which meet predefined speech recognition matching criteria.

Moreover, the method provides the user with a procedure to continue the telephone call in progress should the speech recogniser false, or if the user did not intend to speak the proper command.

ADVANTAGE - Enables user to disconnect telephone call by voice command with high degree of reliability, even under high ambient noise condition. (11pp)

24/3,AB/13 (Item 13 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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007828431

WPI Acc No: 1989-093543/198912

XRPX Acc No: N89-071233

Noise suppression system enabling speech quality enhancement - uses channel SNR modifier to provide immunity to narrow-band noise burst through modification of SNR estimates

Patent Assignee: MOTOROLA INC (MOTI)

Inventor: BARLO J J; GERSON I A; LINDSLEY B L ; VILMUR R J

Number of Countries: 011 Number of Patents: 010

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 4811404	A	19890307	US 87103854	A	19871001	198912	B
WO 8903141	A	19890406	WO 88US3269	A	19880922	198915	
EP 380563	A	19900808	EP 88908903	A	19880922	199032	
JP 3500347	W	19910124	JP 88508229	A	19880922	199110	
CA 1308362	C	19921006	CA 612604	A	19890922	199246	N
EP 380563	A4	19910403	EP 88908903	A	19880000	199515	
EP 380563	B1	19981209	EP 88908903	A	19880922	199902	
			WO 88US3269	A	19880922		
DE 3856280	G	19990121	DE 3856280	A	19880922	199909	
			EP 88908903	A	19880922		
			WO 88US3269	A	19880922		
KR 9700789	B1	19970120	WO 88US3269	A	19880922	199933	
			KR 89700968	A	19890531		
JP 2995737	B2	19991227	JP 88508229	A	19880922	200006	
			WO 88US3269	A	19880922		

Priority Applications (No Type Date): US 87103857 A 19871001; US 87103854 A 19871001; CA 612604 A 19890922

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 4811404	A		18		
JP 2995737	B2	21		H04B-015/00	Previous Publ. patent JP 3500347 Based on patent WO 8903141

WO 8903141 A E

Designated States (National): JP KR

Designated States (Regional): CH DE FR GB IT NL

EP 380563 A

Designated States (Regional): CH DE FR GB IT LI NL

EP 380563 B1 E H04B-015/00 Based on patent WO 8903141
 Designated States (Regional): CH DE FR GB IT LI NL
 DE 3856280 G H04B-015/00 Based on patent EP 380563
 Based on patent WO 8903141
 CA 1308362 C H04B-015/00
 KR 9700789 B1 H04B-016/00

Abstract (Basic): US 4811404 A

The input signal is separated into a number of pre-processed signals representative of selected frequency channels. Estimates of the signal-plus-noise energy and the noise energy in each individual channels generated. A gain value for each individual channel is produced in response to the channel energy estimates the gain values having a minimum gain value for each channel.

The gain value producer includes a threshold circuit for allowing gain values above the minimum gain value to be produced only when the signal-plus-noise energy estimates exceed the noise energy estimates by a predetermined amount. The gain of each of the pre-processed signals is modified in response to the gain values to provide a number of post-processed signals.

USE/ADVANTAGE - E.g. for hands-free car telephone. Suppresses background noise in high noise environments without significantly degrading voice quality.

24/3,AB/14 (Item 14 from file: 350)
 DIALOG(R) File 350:Derwent WPIX
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007549237

WPI Acc No: 1988-183169/198826

XRPX Acc No: N88-139973

Template generation method in speech recognition system - combining data associated with mapped frames to produce composite frames representative of final word template

Patent Assignee: MOTOROLA INC (MOTI)

Inventor: GERSON I A; LINDSLEY B L

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4751737	A	19880614	US 85795562	A	19851106	198826 B

Priority Applications (No Type Date): US 85795562 A 19851106

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 4751737	A		12		

Abstract (Basic): US 4751737 A

The first in the method for generating a final word template from a set of tokens in a speech recognition system involves forming an interim template representative of at least one token. A time alignment path is generated between the interim template and an additional token; and frames from the interim template and additional token are mapped along the time alignment path onto an averaged time axis.

Data associated with the mapped frames is combined to produce composite frames representative of the final word template. The step of data combination involves averaging the data such that the resultant data is approximately equally contributed by each token the final template represents.

ADVANTAGE - Enables generator of highly accurate word template with reduced memory usage.

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24/3,AB/15 (Item 15 from file: 350)
 DIALOG(R) File 350:Derwent WPIX
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007209375

WPI Acc No: 1987-206384/198729

XRPX Acc No: N87-154364

Speech recognition system using channel bank information - has energy level differentials value assigned, preset of background noise

Patent Assignee: MOTOROLA INC (MOTI)

Inventor: GERSON I A; LINDSLEY B L

Number of Countries: 011 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 8704294	A	19870716	WO 86US2826	A	19861229	198729 B
EP 255529	A	19880210	EP 86900768	A	19861229	198806
FI 8703567	A	19870818				198822
JP 63502304	W	19880901				198841
US 4918732	A	19900417	US 89357688	A	19890525	199020
CA 1301338	C	19920519	CA 526489	A	19861230	199226

Priority Applications (No Type Date): US 86816598 A 19860106; US 89357688 A 19890525

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 8704294	A	E	30		
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Designated States (National): FI JP KR

Designated States (Regional): DE FR GB IT NL SE

EP 255529	A	E			
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Designated States (Regional): DE FR GB IT NL SE

CA 1301338	C			G10L-005/00	
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Abstract (Basic): WO 8704294 A

A first energy level is determined representative of input background noise energy for each channel and a second energy level is determined representative of input frame energy for each channel. A third energy level representative of template frame energy for each channel is also retrieved.

Valves corresp. to the differential between the second and third energy levels are designed at each channel, but including a given const. value when the second energy level is less than the first energy level at any particular channels. A distance measure between the input frame and the word template frame from the values is then generated. USE/ADVANTAGE - Esp. hands-free operation of mobile telephone. High recognition accuracy and computationally efficient.

/5

Abstract (Equivalent): US 4918732 A

The method and arrangement employs channel bank information to represent speech. The method includes determining three energy levels for each channel the first representative of background noise energy, the second representative of the input frame energy and the third representative of the word template frame energy. Values representing energy level differentials are assigned at each channel.

If the second energy level is less than the first energy level, then a predetermined constant value is assigned at the particular channel. These values are combined to generate a distance measure depicting the similarity between the two frames.

USE - For a speech recognition system. (12pp)

24/3,AB/16 (Item 16 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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007209374

WPI Acc No: 1987-206383/198729

XRPX Acc No: N87-154363

Speech synthesiser responsive to external acoustic feature information - has LF group of channel gain values controlling modulators excited by periodic pitch source, and HF group for those excited by noise source

Patent Assignee: MOTOROLA INC (MOTI)

Inventor: BORTH D E; GERSON I A; LINDSLEY B L ; VILMUR R J; FILMUR R J

Number of Countries: 005 Number of Patents: 008

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 8704293	A	19870716	WO 86US2815	A	19861222	198729 B
EP 255524	A	19880210	EP 87900607	A	19861222	198806
JP 63502302	W	19880901				198841
US 5133010	A	19920721	US 86816034	A	19860103	199232
			US 90484008	A	19900221	
EP 255524	B1	19930721	WO 86US2815	A	19861222	199329
			EP 87900607	A	19861222	
DE 3688749	G	19930826	DE 3688749	A	19861222	199335
			WO 86US2815	A	19861222	
			EP 87900607	A	19861222	
CA 1324833	C	19931130	CA 526482	A	19861230	199403
KR 9507859	B1	19950720	WO 86US2815	A	19861222	199716
			KR 87700799	A	19870902	

Priority Applications (No Type Date): US 86816034 A 19860103; US 90484008 A 19900221

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 8704293	A	E	110		
EP 255524	A	E			
US 5133010	A		48	G10L-005/00	Cont of application US 86816034
EP 255524	B1	E	57	G10L-005/00	Based on patent WO 8704293
DE 3688749	G			G10L-005/00	Based on patent EP 255524
					Based on patent WO 8704293
CA 1324833	C			G10L-005/00	
KR 9507859	B1			G10L-005/00	

Abstract (Basic): WO 8704293 A

The synthesiser generates (920, 930) two excitation signals without using external voicing or pitch information. Further circuitry (950, 980) is provided to modify an operating parameter of one excitation signal in response to a first given group of the modification signals and to modify an operating parameter of the other excitation signal in response to a second given group of the modification signals.

The resulting modified excitation signals are applied to bandpass filters (960) to reconstruct the speech channels and then combined at summation network (970) to form a reconstructed synthesised speech signal. The excitation signals are pref. provided by a pitch pulse source (920) and a noise source (930). The pitch pulse source may also vary the pitch pulse period such that the pitch pulse rate decreases over the lengths of the word.

ADVANTAGE - Synthesiser natural-sounding speech for applications in which voicing or pitch cannot be provided.

Abstract (Equivalent): EP 255524 B

A speech synthesizer for generating a reconstructed speech signal from external acoustic feature information without using external voicing or pitch information, said acoustic feature information comprising a plurality of modification signals, said speech synthesizer being characterized by:

means for generating (920, 930) a first and second excitation signal from the external acoustic feature information including at least a plurality of channel gain values without using external voicing or pitch information, wherein, of said first and second excitation signals, only said first excitation signal has an identifiable periodicity,

means for changing (940) the periodicity of said first excitation signal from a predetermined initial first excitation signal period at a rate related to the length of said external acoustic feature information; and

means for modifying (950) an amplitude of said first excitation signal in response to a first group of said modification signals, and for modifying an amplitude of said second excitation signal in response to a second group of said modification signals, thereby producing corresponding first and second groups of modified outputs.

Abstract (Equivalent): US 5133010 A

An N-channel pitch-excited channel bank synthesiser (340) is provided having a first low frequency group of channel gain values (1 to M) and a second high frequency group of channel gain values (+1 to N). The first group controls a first group of amplitude modulators (950) excited by a periodic pitch pulse source (920), and the second group controls amplitude modulators excited by a noise source (930).

Both groups of modulated excitation signals are applied to the bandpass filters (960) to reconstruct the speech channels, and then combined at the summation network (970) to form a reconstructed synthesised speech signal. Additionally, the pitch pulse source (920) varies the pitch pulse period such that the pitch pulse rate decreases over the length of the word.

USE - A channel bank speech synthesiser for reconstructing speech from externally generated acoustic feature information without using externally generated voicing or pitch information. (Dwg.9c/9)

24/3,AB/17 (Item 17 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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007209373

WPI Acc No: 1987-206382/198729

XRPX Acc No: N87-154362

Electronic speech recognition device with user-interactive control - synthesises speech from recognition templates to generate voice reply feedback to user indicative of which word was recognised

Patent Assignee: MOTOROLA INC (MOTI)

Inventor: BORTH D E; GERSON I A; LINDSLEY B L

Number of Countries: 004 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 8704292	A	19870716	WO 86US2810	A	19861222	198729 B
EP 255523	A	19880210	EP 87900604	A	19861222	198806
JP 63502146	W	19880818	JP 87500573	A	19861222	198839
CA 1321425	C	19930817	CA 526266	A	19861224	199339
EP 255523	B1	19940803	WO 86US2810	A	19861222	199430
			EP 87900604	A	19861222	
DE 3650015	G	19940908	DE 3650015	A	19861222	199435
			WO 86US2810	A	19861222	
			EP 87900604	A	19861222	
KR 9507858	B1	19950720	WO 86US2810	A	19861222	199716
			KR 87700798	A	19870902	

Priority Applications (No Type Date): US 86816162 A 19860103

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
WO 8704292	A	E 109		
EP 255523	A	E		
EP 255523	B1	E 59	G10L-005/00	Based on patent WO 8704292
DE 3650015	G		G10L-005/00	Based on patent EP 255523
				Based on patent WO 8704292
CA 1321425	C		G10L-005/00	
KR 9507858	B1		G10L-005/00	

Abstract (Basic): WO 8704292 A

The control system includes circuitry (110, 170, 160) for generating and storing word templates from a user-system input speech signal. Further circuitry (12) responsive to the word template and the input speech signal for recognising user-system command words to produce device control data. A controller (13) is responsive to the control data for controlling the device (150) operating parameters and further circuitry (140) is responsive to the word templates for synthesising reply speech to the user.

The controller pref. includes a directory for storing telephone nos. a device for dialing nos. obtained from the directory in response to the recognition of at least one given user-system command word, and

circuitry for storing a telephone no. in the directory by voice command.

USE - Mobile radio telephone.

1/9

Abstract (Equivalent): EP 255523 B

An electronic device having a user interactive, user trained control system controlling a plurality of user-controlled device operating parameters upon the occurrence of a user-spoken command word and providing audible feedback to the user as to the device operating status, said control system comprising: an acoustic processor (110) for extracting acoustic features from a user spoken input speech, thereby producing word feature signals; a training processor (170) for data reducing word feature signals, discarding pitch information, if any, thereby producing word recognition templates in a training mode of said device, and for storing said word recognition templates in memory (160); a recognition processor (120) which is responsive, in the recognition mode of said device, to said word recognition templates and to user spoken input speech as pre-processed by said acoustic processor (110) for recognising user spoken command words to produce device control data; a device controller (130), responsive to said device control data for controlling said device operating parameters; and a synthesis processor (140) for synthesising reply speech to the user, said device being characterised in that said synthesis processor synthesises said reply speech from said speech recognition templates, and in that said synthesis processor includes a pitch source which substitutes pitch information (925) in place of and independent of said discarded pitch information in accordance with a predetermined rule set.

(Dwg.1/9d)

24/3,AB/18 (Item 18 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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007209372

WPI Acc No: 1987-206381/198729

XRPX Acc No: N87-154361

Speech information processing system for mobile radio telephone - has recognition processor to compare word data from acoustic processor with word recognition templates to find match

Patent Assignee: MOTOROLA INC (MOTI)

Inventor: GERSON I A; **LINDSLEY B L** ; SMANSKI P J

Number of Countries: 012 Number of Patents: 008

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 8704291	A	19870716	WO 86US2780	A	19861218	198729 B
EP 249635	A	19871223	EP 87900590	A	19861218	198751
JP 63502303	W	19880901				198841
US 4797929	A	19890110	US 86816161	A	19860103	198905
CA 1299752	C	19920428	CA 525298	A	19861215	199222
EP 249635	B1	19930623	WO 86US2780	A	19861218	199325
			EP 87900590	A	19861218	
DE 3688614	G	19930729	DE 3688614	A	19861218	199331
			WO 86US2780	A	19861218	
			EP 87900590	A	19861218	
KR 9508540	B1	19950731	KR 87700797	A	19870902	199718

Priority Applications (No Type Date): US 86816161 A 19860103

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 8704291 A E 110

Designated States (National): DK FI JP KR

Designated States (Regional): DE FR GB IT NL SE

EP 249635 A E

Designated States (Regional): DE FR GB IT NL SE

US 4797929 A 47

EP 249635 B1 E 57 G10L-005/00 Based on patent WO 8704291

Designated States (Regional): DE FR GB IT NL SE
DE 3688614 G G10L-005/00 Based on patent EP 249635
Based on patent WO 8704291
CA 1299752 C G10L-005/00
KR 9508540 B1 G10L-005/00

Abstract (Basic): WO 8704291 A

The recognition system has a acoustic processor (110) which effects acoustic feature extraction on a speech signal input by a microphone. Amplitude and frequency parameters are input to a speech recognition processor (12) to a training processor (170). The training processor derives word recognition templates for storage in a template memory (160). The endpoints of words are located for arranging individual words of input word features.

The recognition processor (120) operates to compare word feature data from the acoustic processor (110) with the word recognition templates from the template store (160). If a sufficient match is found, the recognition processor supplies device control data to a device controller (13) to indicate the word recognised. USE/ADVANTAGE - For generating reply speech to a user to represent the operating state of a mobile radio telephone, telephone antodialling, etc. Speech is synthesised without voicing or pitch data using split voicing and varying the pitch pulse period to decrease pitch pulse rate over length of word to produce natural-sounding speech.

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Abstract (Equivalent): EP 249635 B

The recognition system has a acoustic processor (110) which effects acoustic feature extraction on a speech signal input by a microphone. Amplitude and frequency parameters are input to a speech recognition processor (12) to a training processor (170). The training processor derives word recognition templates for storage in a template memory (160). The endpoints of words are located for arranging individual words of input word features.

The recognition processor (120) operates to compare word feature data from the acoustic processor (110) with the word recognition templates from the template store (160). If a sufficient match is found, the recognition processor supplies device control data to a device controller (13) to indicate the word recognised. USE/ADVANTAGE - For generating reply speech to a user to represent the operating state of a mobile radio telephone, telephone autodialling, etc. Speech is synthesised without voicing or pitch data using split voicing and varying the pitch pulse period to decrease pitch pulse rate over length of word to produce natural-sounding speech.

Dwg.1/9d

Abstract (Equivalent): US 4797929 A

The method for processing speech information in a speech recognition system has the information represented by a sequence of frames. The speech recognition system is capable of comparing a given frame set to a template, and having template memory to store the template. The processing method comprises a combining contiguous acoustically similar frames of a previous frame set into representative frames to form a reduced template. It involves storing the reduced template in template memory.

The frames of the given frame are compared to the representative frames of the reduced template according to the number of frames combined in the representative frames of the reduced template to produce a measure of similarity between the given frame set and the template.

ADVANTAGE - Reduces template data and efficiently recognises reduced data. (47pp)

24/3,AB/19 (Item 19 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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007209371

WPI Acc No: 1987-206380/198729

XRPX Acc No: N87-154360

Data compression method in speech recognition system - generating distortion for each frame in set of frames representing speech

Patent Assignee: MOTOROLA INC (MOTI)

Inventor: GERSON I A; LINDSLEY B L ; GERSON I

Number of Countries: 012 Number of Patents: 008

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 8704290	A	19870716	WO 86US2779	A	19861218	198729 B
EP 252946	A	19880120	EP 87900588	A	19861218	198803
JP 63502145	W	19880818	JP 86500570	A	19861218	198839
US 4905288	A	19900227	US 88262173	A	19881018	199015
CA 1299750	C	19920428	CA 525037	A	19861211	199222
EP 252946	B1	19930721	WO 86US2779	A	19861218	199329
			EP 87900588	A	19861218	
DE 3688747	G	19930826	DE 3688747	A	19861218	199335
			WO 86US2779	A	19861218	
			EP 87900588	A	19861218	
KR 9508539	B1	19950731	KR 87700796	A	19870902	199718

Priority Applications (No Type Date): US 86816163 A 19860103; US 88262173 A 19881018

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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WO 8704290	A	E 10		
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Designated States (National): DK FI FR JP KR NL

Designated States (Regional): DE GB IT SE

EP 252946	A	E		
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Designated States (Regional): DE FR GB IT NL SE

EP 252946	B1	E 57	G10L-005/00	Based on patent WO 8704290
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Designated States (Regional): DE FR GB IT NL SE

DE 3688747	G		G10L-005/00	Based on patent EP 252946
				Based on patent WO 8704290

CA 1299750	C		G10L-005/00	
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KR 9508539	B1		G10L-005/00	
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Abstract (Basic): WO 8704290 A

The speech to be processed is represented as feature data grouped in frames (510) of which the five central frames form a cluster (512). The cluster is combined to provide a representative average frame (514). The distance between each frame of the cluster and the average represents a respective distortion level. If any one or more of the distance exceeds an allowable distortion level it is excluded from consideration for a word template. Peak energy distortion and peak spectral distortion are considered for determining a valid cluster.

USE/ADVANTAGE - For mobile telephone communications system. Data compression is such that at completion no further compression possible which will still satisfy given distortion criterion, optional competition required to effect compression .

Abstract (Equivalent): EP 252946 B

A method for reducing a sequence of original frames of speech (510) into a reduced set of representative frames (514) comprising the steps of:

- storing a plurality of original frames from the sequence;
- combining said stored original frames into a plurality of representative frames;

- generating for each representative frame a distortion measure (D1-D5) corresponding to the distance between each said representative frame and said original frames combined therein;

- comparing each said distortion measure to a predetermined distortion threshold; characterized by

- selecting, from said plurality of representative frames at least one representative frame having a distortion measure less than said predetermined distortion threshold and representing the greatest number of stored original frames and

- selecting one representative frame from said selected at least one representative frame which has a generated distortion measure being the lowest of the generated distortion measures of said selected at least

one representative frame.

Abstract (Equivalent): US 4905288 A

A sequence of initial frames are reduced into a reduced set of representative frames by combining the initial frames into a number of representative frames, the combining process including generating a distortion measure associated with each representative frame and comparing each distortion measure to a distortion threshold.

From these representative frames, a set of mutually exclusive frames is determined to minimise the number of representative frames, whereby each representative frame in the set represents a unique set of contiguous initial frames and has an associated distortion measure which does not exceed the distortion threshold.

USE/ADVANTAGE - Generates optimal cluster path efficiently for any type of feature data and distance measure used. (45pp)

28/3,AB/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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013312932

WPI Acc No: 2000-484869/200043

XRPX Acc No: N00-360524

**Reliability indication method for uncoded bits in input signal
representing digital symbols of encoded and uncoded bits, involves
decoding to generate reference for comparison with input signal**

Patent Assignee: TANDBERG TELEVISION ASA (TAND-N)

Inventor: **MARKARIAN G** ; PICKAVANCE K; WADDINGTON S

Number of Countries: 009 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1028534	A1	20000816	EP 2000200353	A	20000203	200043 B

Priority Applications (No Type Date): GB 992810 A 19990209

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 1028534	A1	E	16	H03M-013/45	

Designated States (Regional): AL DE FR GB LT LV MK RO SI

Abstract (Basic): EP 1028534 A1

Abstract (Basic):

NOVELTY - The method involves decoding the encoded bits to generate reference signals representing estimates for each of the symbols, in which the symbol estimates are compatible with the encoded bits. The input signal is compared with the reference signals to determine the closest estimate of each symbol. The comparison also provides indications of the reliability of the uncoded bits from the differences between the input and the closest symbol estimates.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for an apparatus for indicating the reliability of the uncoded bits in an input signal representing digital symbols of encoded and uncoded bits.

USE - Especially for input signal which is a digital television signal.

ADVANTAGE - Provides an improvement in the indication of the reliability of the uncoded bits in an input signal comprising symbols representing encoded and uncoded bits.

DESCRIPTION OF DRAWING(S) - The figure shows a schematic block diagram of a pragmatic trellis coded 8-PSK modulator using a data rate of 2/3.

Input bit (U1)
Input terminal (10)
Convolutional encoder (12)
Signal mapping module (13)
pp; 16 DwgNo 1/8

28/3,AB/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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013312931

WPI Acc No: 2000-484868/200043

XRPX Acc No: N00-360523

**Input digital signal decoding method in which symbols represent encoded
and uncoded bits, involves decoding symbols by reference to hard and soft
decision estimates, and subsequent selection**

Patent Assignee: TANDBERG TELEVISION ASA (TAND-N)

Inventor: **MARKARIAN G** ; PICKAVANCE K; WADDINGTON S; WHITE P

Number of Countries: 025 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1028533	A1	20000816	EP 2000200352	A	20000203	200043 B

Priority Applications (No Type Date): GB 992807 A 19990209

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 1028533 A1 E 17 H03M-013/45

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
LI LT LU LV MC MK NL PT RO SE SI

Abstract (Basic): EP 1028533 A1

Abstract (Basic):

NOVELTY - The method involves decoding the symbols by reference to the encoded bits and hard decision estimates. The symbols are also decoded by reference to the encoded bits and soft decision estimates. The symbols successfully decoded by reference to the hard decision estimates are selected in preference to the same symbols decoded by reference to the soft decision estimates.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for a decoder apparatus

USE - For decoding digital input signals in which symbols represent encoded and uncoded bits, especially in digital television transmission using pragmatic trellis coded modulation schemes.

ADVANTAGE - Provides for higher information rate with better error performance.

DESCRIPTION OF DRAWING(S) - The figure shows a schematic block diagram of a pragmatic trellis coded 8-PSK modulator using a rate 1/2 convolutional encoder.

Input terminal (11)

Convolutional encoder (12)

Signal mapping module (13)

Output terminal (14)

pp; 17 DwgNo 1/8

28/3,AB/3 (Item 3 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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012665066

WPI Acc No: 1999-471171/199940

XRPX Acc No: N99-352023

Carrier recovery for modulated input signal modulated according to the phase shift keying modulation format

Patent Assignee: NDS LTD (NDSN-N); DIGI-MEDIA VISION LTD (DIGI-N)

Inventor: **MARKARIAN G**

Number of Countries: 030 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 939526	A2	19990901	EP 99200312	A	19990203	199940 B
AU 9918413	A	19990909	AU 9918413	A	19990224	199949
ZA 9901309	A	19991027	ZA 991309	A	19990218	199951
JP 11313121	A	19991109	JP 9993230	A	19990225	200004
CN 1231553	A	19991013	CN 99100790	A	19990301	200008
BR 9900816	A	19991221	BR 99816	A	19990301	200017

Priority Applications (No Type Date): GB 984182 A 19980228

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 939526 A2 E 12 H04L-027/227

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
LI LT LU LV MC MK NL PT RO SE SI

JP 11313121 A 7 H04L-027/227

ZA 9901309 A 21 H04L-000/00

CN 1231553 A H04L-027/20

BR 9900816 A H04L-027/227

AU 9918413 A H04L-027/22

Abstract (Basic): EP 939526 A2

Abstract (Basic):

NOVELTY - Mixers (26,27) respectively detect the I and Q components of a quadriphase phase shift keying modulated signal, which are applied

through integrators (30,35) and third order function circuits (32-34, 37-39) to summing circuits (44,50), also respectively receiving the integrated Q and I components. The resulting signals are applied to a summing circuit (56), forming an output signal, applied through a low pass filter (58) to a voltage controlled oscillator (28), controlled to recover the carrier of the input signal.

DETAILED DESCRIPTION - An independent claim is included for a receiver for receiving high order M-phase shift keying modulated input signal.

USE - Recovering carrier phase from an M-PSK signal, e.g. in a digital TV receiver.

ADVANTAGE - Improved recovery of carrier phase.

DESCRIPTION OF DRAWING(S) - The drawing shows a carrier recovery circuit for receiver of 8-phase shift keying modulated signal.

Mixers (26,27)

Integrators (30,35)

Third order function circuits (32-34,37-39)

Summing circuits (56) Summing circuit (44,50)

Low pass filter (58)

Voltage controlled oscillator (28)

pp; 12 DwgNo 2/5

28/3,AB/4 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011872569

WPI Acc No: 1998-289479/199826

XRPX Acc No: N98-227644

Adaptive nested trellis decoder for block synchronisation - calculates the minimum hamming distance of the block codeword as part of the operation of the nested trellis decoder

Patent Assignee: HW COMMUNICATIONS LTD (HWCO-N)

Inventor: DARNELL M; HONARY B; MARKARIAN G

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2320400	A	19980617	GB 9625936	A	19961213	199826 B

Priority Applications (No Type Date): GB 9625936 A 19961213

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
GB 2320400	A	35	H03M-013/00	

Abstract (Basic): GB 2320400 A

The method involves initiating a communication system in which blocks of data are converted into block codewords(n,k,d) where n is the size of the array ,two raised to power k is the number of possible states , d is the minimum hamming distance with a selected coding format which could includes BCH code , Hamming code and RN code and the generalised array code. The block codewords are transmitted to a receiver, and received block codes are converted into blocks of data by an adaptive nested trellis decoder. The decoder calculates (11) a measure of the difference between a received block codeword and each valid block codeword (12) for the selected coding format , the received block codeword is converted into the block of data corresponding to the valid block codeword for which the calculated difference is a minimum(16) .The coding format is selected (17) to provide an acceptable level of noise appropriate to prevailing noise conditions derived from the received block codes. The noise conditions are derived from the calculated minimum hamming distance. Synchronising information is derived by identifying the position in a serial stream of received block codewords , of the first data element of each block codeword.

USE- Error correction and measures the signal to noise ratio.

ADVANTAGE- No independent signal to noise ratio is required.

Processes a serial stream of received block codewords to give simultaneous estimates of block , symbol and bit timing.

28/3,AB/5 (Item 5 from file: 350)
 DIALOG(R)File 350:Derwent WPIX
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011077299

WPI Acc No: 1997-055223/199706

XRPX Acc No: N97-045290

Trellis decoder for decoding block codes - has basic trellis structure selectively modified to define further trellis structure which may be used for decoding at least one other block code

Patent Assignee: HW COMMUNICATIONS LTD (HWCO-N)

Inventor: DARNELL M; HONARY B; **MARKARIAN G**

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2302486	A	19970115	GB 9512394	A	19950617	199706 B

Priority Applications (No Type Date): GB 9512394 A 19950617

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
GB 2302486	A	17	H03M-013/00	

Abstract (Basic): GB 2302486 A

The decoder comprises a basic trellis structure for use in decoding a block code and device for selectively modifying the basic trellis structure to define at least one further trellis structure which may be used for decoding at least one other block code.

The further trellis has equal numbers of states and columns as the basic trellis. The modifier selectively modifies the data processed in traversing at least one branch of the trellis. A trellis designed to process a (8,4,4) code could be adapted to process a (7,4,3) code by modification of the number of digits used for labelling branches at the final depth of the trellis.

ADVANTAGE - Decoder can be rapidly reconfigured to process large number of code formats.

Dwg.11/11

28/3,AB/6 (Item 6 from file: 350)
 DIALOG(R)File 350:Derwent WPIX
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003655454

WPI Acc No: 1983-15433K/198307

XRAM Acc No: C83-015010

Helium recovery from spent helium-air mixts. - employing activated carbon at -15 to -35 degrees C and 10-30 bars

Patent Assignee: CIE MARITIME EXPERT (MARI-N)

Inventor: AVON M; **MARKARIAN G**

Number of Countries: 013 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 71553	A	19830209				198307 B
FR 2510539	A	19830204				198311
JP 58067317	A	19830421				198322
US 4444572	A	19840424	US 82402335	A	19820727	198419
EP 71553	B	19851211				198550
DE 3267902	G	19860123				198605

Priority Applications (No Type Date): FR 8114809 A 19810728

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
EP 71553	A	F 18		

Designated States (Regional): AT BE CH DE FR GB IT LI LU NL SE

EP 71553 B F

Designated States (Regional): AT BE CH DE FR GB IT LI LU SE

Abstract (Basic): EP 71553 A

Process for the recovery of He from mixts. of He, O₂, N₂, A, H₂O and CO₂ employs one or more chambers housing activated carbon having micropores of 20 angstroms or smaller. The absorption chambers are operated sequentially on a timed cycle to ensure periodic reactivation of the carbon. The gas mixt. passes through prim. filters which remove H₂O, CO₂ and any heavy organic constituents, before being cooled to -25 deg.C which is the optimum operating temp. for the carbon absorber.

Used for the recovery of He, without resort to cryogenic techniques, from spent He/air mixts. as used in deep diving operations.

28/3,AB/7 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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002004422

WPI Acc No: 1978-17442A/197809

Related WPI Acc No: 1977-65464Y

Gasoline prodn. by three-stage cracking - with decreasing space velocity and increasing catalyst concn. in flow direction in the first two stages

Patent Assignee: ALIEV V S (ALIE-I)

Inventor: MARKARIAN G G ; RUSTAMOV M I

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4073717	A					197809 B

Priority Applications (No Type Date): US 76652578 A 19760126; JP 766000 A 19760123

Abstract (Basic): US 4073717 A

A three-stage is claimed Br, the prodn. of gasoline from heavy petroleum feed-stocks by cracking in the presence of an aluminosilicate zeolite catalyst in up-flow reactors, with extensive recycle, the first two cracking stages being effected with a gradually decreasing WHSV of the feed but increasing catalyst concn.

Specifically, the process comprises (a) cracking the feed at 480-520 degrees C and a WHSV. of 6-40 to form a first reaction effluent which is separated in a settling zone and then by fractionation to produce a gasoline prod. stream (I), a fraction having an specific gravity of 0.75-0.85 (II) and a fraction having an specific gravity of 0.85-0.95, (b) cracking (II) in a second zone at 460-520 degrees C and a WHSV of 6-40 to obtain further gasoline, and (c) cracking (III) in a third zone at 460-520 degrees C and a WHSV of 5-8 and separating from the reaction effluent further gasoline and a fraction having an specific gravity of 0.85-0.95, the latter being recycled to the settling sepn. step in stage (a).

The catalyst concn. is increased in the flow direction in the first two steps, the concn. varying from 20-250 kg/m³ in stage (a), and from 20-275 kg/m³ in stage (b) and being constant at 200-300 kg/m³ in stage (c).

32/3,AB/1 (Item 1 from file: 344)
DIALOG(R)File 344:CHINESE PATENTS ABS
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Acc no: 4099505

HOME SERVICES DELIVERY SYSTEM WITH INTELLIGENT TERMINAL EMULATOR

Patent Assignee: TRANSACTION TECHNOLOGY INC (US)

Author (Inventor): **MOSS LESLIE C.** (US); MEDINE CAROL A. (US); NAYLOR
WILLIAM (US)

Patent Family:

CC	Number	Kind	Date
CN	1129506	A	960821 (Basic)
AM	9506384	W1	950302
AP	9506384	W1	950302
AT	724807	R1	960807
AU	7640594	A1	950321
BB	9506384	W1	950302
BE	724807	R1	960807
BG	9506384	W1	950302
BR	9506384	W1	950302
BY	9506384	W1	950302
CA	2168987	AA	950302
CH	724807	R1	960807
CN	9506384	W1	950302
CZ	9506384	W1	950302
DE	724807	R1	960807
DK	724807	R1	960807
EE	9506384	W1	950302
EP	724807	A1	960807
ES	724807	R1	960807
FI	9506384	W1	950302
FR	724807	R1	960807
GB	724807	R1	960807
GE	9506384	W1	950302
GR	724807	R1	960807
HU	9402442	A0	941128
IE	724807	R1	960807
IL	110742	A0	941111
IT	724807	R1	960807
JP	9502843	T2	970318
KE	9506384	W1	950302
KG	9506384	W1	950302
KP	9506384	W1	950302
KR	9506384	W1	950302
KZ	9506384	W1	950302
LI	724807	R1	960807
LK	9506384	W1	950302
LT	9506384	W1	950302
LU	724807	R1	960807
LV	9506384	W1	950302
MC	724807	R1	960807
MD	9506384	W1	950302

Application Data:

CC	Number	Kind	Date
*US	112178	A	930825
CN	94193135	A	940825

32/3,AB/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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012480585

WPI Acc No: 1999-286693/199924

XRPX Acc No: N99-214000

Target azimuth determination method for identification friend or foe IFF system

Patent Assignee: GEC-MARCONI HAZELTINE CORP (MAON); GEC-MARCONI HAZELTINE

CORP ELECTRONIC SY (MAON

Inventor: **MOSS L A**

Number of Countries: 026 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5892478	A	19990406	US 97958016	A	19971027	199924 B
EP 913706	A2	19990506	EP 98308742	A	19981026	199924

Priority Applications (No Type Date): US 97958016 A 19971027

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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US 5892478	A		10	G01S-013/44	
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EP 913706	A2 E			G01S-013/78	
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Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
LI LT LU LV MC MK NL PT RO SE SI

Abstract (Basic): US 5892478 A

Abstract (Basic):

NOVELTY - A threshold test is performed using jamming and noise threshold values. If test indicates positive result, monopulse azimuth processing using difference and sum in amplitude and phase of response signals is used to determine target azimuth. Otherwise processing is performed using relation between signal amplitude and antenna azimuth during signal reception.

DETAILED DESCRIPTION - When response signal is received from target, monopulse sum and difference signals are derived from the response signal. Then, the jamming threshold value is obtained from level of jamming signals in response signal from target. The response signals from target is received by a rotating antenna of the IFF system. The positive test result indicates that magnitude of monopulse signal derived from response signal exceeds the jamming and noise threshold values.

USE - For IFF system.

ADVANTAGE - Improves IFF system characteristics such as azimuth determination, multimode azimuth capability, monopulse signal processing, automatic selection of azimuth mode in response to characteristics of received signal, azimuth mode in response to jamming and noise levels. Enables simple and adaptive azimuth mode selection and avoids azimuth accuracy limitations during monopulse operations in presence of jamming.

DESCRIPTION OF DRAWING(S) - The figure shows the flowchart indicating steps of determining target azimuth.

pp; 10 DwgNo 5/5

32/3,AB/3 (Item 3 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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011573462

WPI Acc No: 1997-549943/199750

XRPX Acc No: N97-458495

Delivery method for providing home and other banking transactions - involves home computer or ATM connecting to server that interacts with host computer to provide consistent services

Patent Assignee: CITIBANK NA (CITI-N)

Inventor: ANTHONY W W; DO K; DOSHI A; EICHENSEER D; HUANG J; LAW H; LUONG B
; **MOSS L** ; NGUYEN T; SAUSSY S E; THOMPSON D; WILLIAMS M

Number of Countries: 076 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9741498	A2	19971106	WO 97US6245	A	19970418	199750 B
AU 9726698	A	19971119	AU 9726698	A	19970418	199812
EP 894315	A2	19990203	EP 97918639	A	19970418	199910
			WO 97US6245	A	19970418	

Priority Applications (No Type Date): US 9615819 A 19960418

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9741498 A2 E 107 G06F-000/00

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU
CZ DE DK EE ES FI GB GE HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV
MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US
UZ VN

Designated States (Regional): AT BE CH DE DK EA ES FI FR GB GH GR IE IT
KE LS LU MC MW NL OA PT SD SE SZ UG

AU 9726698 A G06F-019/00 Based on patent WO 9741498

EP 894315 A2 E G07F-019/00 Based on patent WO 9741498

Designated States (Regional): AL AT BE CH DE DK ES FI FR GB GR IE IT LI
LT LU LV MC NL PT RO SE SI

Abstract (Basic): WO 9741498 A

The home delivery system provides multi-functional financial services to a user. The user has a personal computer (102) and user software provided by the banking system. The user software provides for installation including selection of language.

It also acts as a client to the server and provides security features, e.g. encryption, and data compression and error checking. Local application content may be included. The server uses non-region specific software to provide the business applications. It controls the user sessions and authenticates the user. It has a secure encrypted link with the banking host computer.

ADVANTAGE - Provides consistent interface across countries while minimising local software differences.

Dwg.1/47

32/3,AB/4 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010464915

WPI Acc No: 1995-366234/199547

XRAM Acc No: C95-159389

Genetic therapy for a variety of diseases and disorders - by transforming cells with a vector which produces the protein required to correct the disorder, e.g. insulin for treatment of diabetes mellitus

Patent Assignee: BAYLOR COLLEGE MEDICINE (BAYU); GENEMEDICINE INC

(GENE-N)

Inventor: CHAN L C B; EISENSMITH R C; HAHN T M; KAY M A; KOLODKA T; MOSS L
; ROLLAND A; SMITH L C; WOO S L C

Number of Countries: 063 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9527512	A2	19951019	WO 95US4397	A	19950410	199547 B
AU 9522834	A	19951030	AU 9522834	A	19950410	199606
WO 9527512	A3	19951221	WO 95US4397	A	19950410	199622
EP 755268	A1	19970129	EP 95916281	A	19950410	199710
			WO 95US4397	A	19950410	
AU 695618	B	19980820	AU 9522834	A	19950410	199845
AU 9894054	A	19990114	AU 9522834	A	19950410	199914
			AU 9894054	A	19981120	
AU 716148	B	20000217	AU 9522834	A	19950410	200019
			AU 9894054	A	19981120	

Priority Applications (No Type Date): US 94225840 A 19940411

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9527512 A2 E 102 A61K-048/00

Designated States (National): AM AT AU BB BG BR BY CA CH CN CZ DE DK EE
ES FI GB GE HU IS JP KE KG KP KR KZ LK LR LT LU LV MD MG MN MW MX NO NZ
PL PT RO RU SD SE SG SI SK TJ TT UA UZ VN

Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT KE LU MC
MW NL OA PT SD SE SZ UG

AU 716148 B A61K-048/00 Div ex application AU 9522834

Div ex patent AU 695618

AU 9522834 A A61K-048/00 Previous Publ. patent AU 9894054
 EP 755268 A1 E A61K-048/00 Based on patent WO 9527512
 Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LI LU MC
 NL PT SE
 AU 695618 B A61K-048/00 Previous Publ. patent AU 9522834
 Based on patent WO 9527512
 AU 9894054 A A61K-048/00 Div ex application AU 9522834
 WO 9527512 A3 A61K-048/00

Abstract (Basic): WO 9527512 A

A novel methods for treating a variety of diseases (see below)
 comprises introducing into an animal a nucleic acid vector coding for
 the expression of at least a functional portion of a mol. required to
 correct the deficiency or disease, where the vector is capable of
 transforming a cell in vivo and expressing the mol. in the transformed
 cell. Alternatively, the transformed cell may be prep'd. in vitro, then
 administered to the patient. Methods of treatment for the following
 diseases (required molecule in parentheses) are claimed: (a) diabetes
 mellitus (proinsulin or insulin); (b) Parkinson's disease (tyrosine
 hydroxylase); (c) cardiovascular disease (apolipoprotein A1 or E,
 lipoprotein lipase, cholesterol-7- alpha -hydroxylase, or combinations
 of these); (d) hypercholesterolaemia (LDL receptor); (e) hypertension
 (ANF or gamma MSH mol.); (f) anaemia (EPO mol.); (g) thrombosis
 (thrombomodulin, protein C or S, antithrombin III, or combinations of
 these); (h) growth deficiency (growth hormone); (i) metabolic disorders
 (PAH, methylmalonyl CoA mutase, propionyl CoA carboxylase, ornithine
 transcarbamylase, carbamylphosphate synthetase,
 arginase-arginosuccinate lyase, and combinations of these); and (j)
 serum protein disorders (Factor VIII);

USE - The methods of gene therapy can be used to treat the
 disorders listed above.

Dwg.0/11

32/3,AB/5 (Item 5 from file: 350)
 DIALOG(R)File 350:Derwent WPIX
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010435801

WPI Acc No: 1995-337121/199543

Related WPI Acc No: 1989-356642; 1991-178354; 1995-107048

XRPX Acc No: N95-252782

**Telephone configured as programmable microcomputer - allows configuration
 to accommodate various types of software which requires different
 hardware configurations with having to reconfigure**

Patent Assignee: TRANSACTION TECHNOLOGY INC (TRAN-N)

Inventor: AHLIN L; CARUTHERS D W; CHIN E; ENGBER M; HADDOCK R; KAWAN J C;
 KRIEGER K; LEE S; MARKS H; MEDINE C A; MERGUIDIJIAN S A; **MOSS L** ; NGUYEN
 T; PAREKH D J; ROTH L; SAMULON A S; TAKATA M M; TUCCI M; VOLLMER J;
 WARREN L; WEISS L

Number of Countries: 061 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9525396	A2	19950921	WO 95US3424	A	19950316	199543 B
AU 9521234	A	19951003	AU 9521234	A	19950316	199602
WO 9525396	A3	19960229	WO 95US3424	A	19950316	199630
EP 750817	A1	19970102	EP 95914109	A	19950316	199706
			WO 95US3424	A	19950316	
EP 750817	A4	19970326	EP 95914109	A		199732
KR 97701964	A	19970412	WO 95US3424	A	19950316	199817
			KR 96705182	A	19960916	
CN 1146262	A	19970326	CN 95192638	A	19950316	200106

Priority Applications (No Type Date): US 94213791 A 19940316

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9525396	A2	E	116	H04M-000/00	

Designated States (National): AM AT AU BB BG BR BY CA CH CZ DE DK EE
ES FI GB GE HU JP KE KG KP KR KZ LK LR LT LU LV MD MG MN MW MX NL NO NZ
PL PT RO RU SD SE SI SK TJ TT UA UZ VN

Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT KE LU MC
MW NL OA PT SD SE SZ UG

AU 9521234 A H04M-011/00 Based on patent WO 9525396

WO 9525396 A3 H04M-000/00

EP 750817 A1 E 116 H04M-011/00 Based on patent WO 9525396

Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LI LU MC
NL PT SE

EP 750817 A4 H04M-000/00

KR 97701964 A H04M-011/00 Based on patent WO 9525396

CN 1146262 A H04M-011/00

Abstract (Basic): WO 9525396 A

The user-friendly personal communications device has a circuit for operating as a personal computer and a simplified user interface. The communications device has a telephone dialler and electronics for the dialler. A standard telephone keypad provides an output to the dialler.

A microprocessor has an associated memory and several components. The microprocessor is responsive to the inputs from the keypad and instructions maintained in the memory to perform computing and control functions. A fixed logic circuit defines interconnections among the components of the microprocessor and the associated memory.

USE/ADVANTAGE - Automatic teller machines. Allows microprocessor control primarily through 12 key keypad of normal telephone. Also operates as stand alone telephone. Provides interface with microprocessor.

Dwg.16/24

32/3,AB/6 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010181372

WPI Acc No: 1995-082625/199512

XRPX Acc No: N95-065542

Cutter for lit end of cigarette - has housing slidably mounted in bracket and holding knife movable between operative and inoperative positions between gripping blocks for cigarette end

Patent Assignee: QUINTON L M (QUIN-I)

Inventor: **MOSS L A** ; QUINTON L M; QUINTON T

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
CA 2098964	A	19941223	CA 2098964	A	19930622	199512 B

Priority Applications (No Type Date): CA 2098964 A 19930622

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
CA 2098964	A		17	A24F-013/24	

Abstract (Basic): CA 2098964 A

The cutter comprises a housing slidable within a bracket and holding a knife assembly. There are a pair of aligned passages within the housing, one located on the upper wall and the other on the lower wall.

The housing is mountable to a cigarette by the mounting bracket, which includes side walls each having an overhanging portion and a pair of formations to limit displacement of the housing. There is an elongate hole in one end of the bracket through which the housing extends in its operative position.

USE - Enables a smoker in a public place to extinguish a partly smoked cigarette at short notice for later use.

Dwg.2/10

32/3,AB/7 (Item 7 from file: 350)

010104675

WPI Acc No: 1995-005928/199501

XRAM Acc No: C95-002019

XRPX Acc No: N95-004882

Welding assurance control techniques - which provide that a weld machine is in optimum condition for initiating a welding process

Patent Assignee: AUTOMATION INT INC (AUTO-N); HOGG C B (HOGG-I)

Inventor: DERBY W M; FORMANEK R P; HOGG J B; MOSS L E

Number of Countries: 020 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5367138	A	19941122	US 9384864	A	19930628	199501 B
WO 9500281	A1	19950105	WO 94US6168	A	19940602	199507

Priority Applications (No Type Date): US 9384864 A 19930628

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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US 5367138	A		26	B23K-011/04	
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WO 9500281	A1	E	50	B23K-011/04	
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Designated States (National): CN JP KR US

Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

Abstract (Basic): US 5367138 A

Improved techniques for controlling welding and also butt welding automatically, comprise providing a moveable platen for carrying a part to be welded and for spacing apart the ends of parts to a predetermined distance, with electrical connections from the platen to the primary and secondary windings of the welding transformer. The accuracy of the welding process includes a part calibration cycle, a tap check cycle and a gap detection cycle. The part calibration cycle determines the electrical load presented to the transformer by the weld part, whilst the tap check cycle verifies that the operator has set the correct tap on the primary of the transformer. The gap detection cycle finds the actual spacing between the platen when the ends of the part are substantially touching so that the ends of the part can be accurately spaced at the beginning of the weld cycle.

USE - Assuring that a weld machine is in optimum condition for initiating a welding process.

ADVANTAGE - Quality and accuracy of welding is improved whilst automatically and accurately checking that the tap setting is correct. Parts to be welded can be calibrated before they are welded in order to determine the electrical load on the transformer. The techniques provide for assuring that the ends of a piece to be welded are displaced by a predetermined initial welding distance.

Dwg.2B/10

32/3,AB/8 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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008674333

WPI Acc No: 1991-178354/199124

Related WPI Acc No: 1989-356642; 1995-107048; 1995-337121

XRPX Acc No: N91-136601

Telephone configured as programmable microcomputer - uses telephone electronics and microprocessor with memory device PGA chip and enhanced integrity features

Patent Assignee: TRANSACTION TECHNOLOGY INC (TRAN-N); TRANSACTION TECHN (TRAN-N)

Inventor: AHLIN L; CARUTHERS D W; CHIN E; ENGBER M; KAWAN J C; KRIEGER K; LEE S; MARKS H; MEDINE C A; MEGUERDIJIAN S A; MOSS L ; NGUYEN T; PAREKH D J; ROTH L; SAMULON A S; TAKATA M M; TUCCI M L; VOLLMER J R; WARREN L K; WEISS L D; KRIEGER K S; MOSS L C ; HADDOCK R; RANDOLPH J P; MERGUIDIJIAN

S A; VOLLMER J; WARREN L

Number of Countries: 027 Number of Patents: 019

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9107839	A	19910530				199124	B
AU 9067582	A	19910613				199137	
ZA 9009017	A	19910925				199144	
CN 1054164	A	19910828	CN 90109106	A	19901109	199222	
EP 499620	A1	19920826	EP 90917556	A	19901108	199235	
			WO 90US6517	A	19901108		
PT 95841	A	19920731	PT 95841	A	19901109	199235	
BR 9007835	A	19920825	BR 907835	A	19901108	199239	
			WO 90US6517	A	19901108		
US 5195130	A	19930316	US 88190440	A	19880505	199313	
			US 88260832	A	19881021		
			US 89433825	A	19891109		
			US 89439739	A	19891121		
			US 90593921	A	19901005		
JP 5501645	W	19930325	WO 90US6517	A	19901108	199317	
			JP 91500536	A	19901108		
US 5321840	A	19940614	US 88190440	A	19880505	199423	
			US 88260832	A	19881021		
			US 89439739	A	19891121		
			US 93104931	A	19930812		
JP 7170341	A	19950704	JP 91500536	A	19901108	199535	
			JP 94149936	A	19901108		
EP 666681	A2	19950809	EP 95102811	A	19901108	199536	
EP 666681	A3	19950913	EP 95102811	A	19901108	199614	
CA 2068336	C	19960716	CA 2068336	A	19901108	199639	
US 5572572	A	19961105	US 88190440	A	19880505	199650	
			US 88260832	A	19881021		
			US 89433825	A	19891109		
			US 89439739	A	19891121		
			US 9384319	A	19930630		
			US 93104931	A	19930812		
			US 94213791	A	19940316		
CN 1093475	A	19941012	CN 90109106	A	19901109	199717	
			CN 93118150	A	19901109		
EP 499620	B1	19980204	EP 90917556	A	19901108	199810	
			WO 90US6517	A	19901108		
			EP 95102811	A	19901108		
DE 69032027	E	19980312	DE 632027	A	19901108	199816	
			EP 90917556	A	19901108		
			WO 90US6517	A	19901108		
ES 2115595	T3	19980701	EP 90917556	A	19901108	199832	

Priority Applications (No Type Date): US 90593921 A 19901005; US 89433825 A 19891109; US 89439739 A 19891121; US 88190440 A 19880505; US 88260832 A 19881021; US 93104931 A 19930812; US 9384319 A 19930630; US 94213791 A 19940316

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 9107839	A				
					Designated States (National): AU BR CA HU JP KR MC RO SU
					Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LU NL SE
EP 499620	A1	E	97	H04M-011/06	Based on patent WO 9107839
					Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LI LU NL SE
BR 9007835	A			H04M-011/06	Based on patent WO 9107839
US 5195130	A		42	H04M-011/00	CIP of application US 88190440
					CIP of application US 88260832
					CIP of application US 89433825
					CIP of application US 89439739
					CIP of patent US 4991199
					CIP of patent US 5008927
JP 5501645	W			H04M-011/00	Based on patent WO 9107839
US 5321840	A		11	G06F-009/06	CIP of application US 88190440
					CIP of application US 88260832
					Cont of application US 89439739

JP 7170341	A	37 H04M-011/00	CIP of patent US 4991199
EP 666681	A2 E	44 H04M-011/08	CIP of patent US 5008927
Designated States (Regional): AT			BE CH DE DK ES FR GB GR IT LI LU NL SE
EP 666681	A3		Related to patent EP 499620
US 5572572	A	39 H04M-011/00	CIP of application US 88190440
			CIP of application US 88260832
			Cont of application US 89433825
			Cont of application US 89439739
			Cont of application US 9384319
			Cont of application US 93104931
			CIP of patent US 4991199
			CIP of patent US 5008927
			Cont of patent US 5321840
CN 1093475	A	G06F-015/20	Div ex application CN 90109106
EP 499620	B1 E	52 H04M-011/06	Related to application EP 95102811
			Related to patent EP 666681
			Based on patent WO 9107839
Designated States (Regional): AT			BE CH DE DK ES FR GB GR IT LI LU NL SE
DE 69032027	E	H04M-011/06	Based on patent EP 499620
			Based on patent WO 9107839
ES 2115595	T3	H04M-011/06	Based on patent EP 499620
CN 1054164	A	H04N-011/06	
PT 95841	A	H04M-001/00	
CA 2068336	C	H04M-011/06	

Abstract (Basic): WO 9107839 A

The telephone-computer has six basic components which include a primary microprocessor having a central processing unit (CPU), memory elements, and hardware integrity features protecting the CPU. A programmable Gate Array (PGA) has a logic cell array which provides the dynamic reconfiguration of the basic architecture and control logic of the primary microprocessor. Ordinary telephone electronics are also provided. A smart card reader reads input from a removable memory element.

USE/ADVANTAGE - Esp. for financial services, providing a simplified user interface. (97pp Dwg.No.11/27)

Abstract (Equivalent): EP 499620 B

The telephone-computer has six basic components which include a primary microprocessor having a central processing unit (CPU), memory elements, and hardware integrity features protecting the CPU. A programmable Gate Array (PGA) has a logic cell array which provides the dynamic reconfiguration of the basic architecture and control logic of the primary microprocessor. Ordinary telephone electronics are also provided. A smart card reader reads input from a removable memory element.

USE/ADVANTAGE - Esp. for financial services, providing a simplified user interface. (97pp Dwg.No.11/27)

Dwg.1/27

Abstract (Equivalent): US 5572572 A

A user-friendly personal communication device having means for operating as a personal computer and a simplified user interface, said personal communication device comprising:

- a telephone dialer;
- electronics for said telephone dialer;
- a standard telephone keypad, said keypad providing output to said telephone dialer;
- a microprocessor having an associated memory and a plurality of components, said microprocessor means being responsive to inputs from said standard telephone keypad and instructions maintained in said memory to perform computing and control functions; and
- fixed logic means for defining interconnections among said components of said microprocessor and said associated memory.

Dwg.10/24

US 5321840 A

The user terminal has a single board computer including a microprocessor remotely reconfigurable programmable gate array logic,

several types of solid state memory, and various input-output units. The programmable gate array forms the logical connection between the microprocessor, the memory, and the input-output elements, and allows the computer to functionally mimic an IBM Personal Computer, thus allowing it to run a wide variety of software.

The programmable gate array can be remotely reconfigured, and a so-called FLASH-EPROM memory is used to store reconfiguration code. This allows the hardware to be reconfigured remotely in order to add additionally function, or to cure a particular problem such as to prevent a 'virus' or the like from attacking the system.

USE - For home use or for accessing wide variety of service computers.

Dwg.2/2

US 5195130 A

The telephone configured as a programmable microcomputer operates in most circumstances through a standard telephone 12-key keypad input. The telephone-computer includes telephone electronics and a microprocessor unit operated in conjunction with other computer elements, including memory devices, and a programmable gate array (PGA) chip and enhanced integrity features, and has the overall appearance of a telephone.

The telephone-computer delivers data processing capabilities and services through an ordinary telephone instrument via conventional telephone lines with a network host computer which communicates with a vast panoply of service bureaus. Specifically, operating software is downloaded to the telephone-computer by the network host computer to reconfigure the PGA to format the microcomputer necessary to conform to the software format used by the service bureaus.

ADVANTAGE - Capable of being reconfigured to accommodate various types of softwares which require different hardware configuration, but without actually reconfiguring hardware.

Dwg.11/27

32/3,AB/9 (Item 9 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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008569411

WPI Acc No: 1991-073446/199110

XRPX Acc No: N91-056808

Detachable cylinder restrainers - uses moulded, flat based buffers of flexible material with strap closures

Patent Assignee: FREAN R G (FREA-I)

Inventor: FREAN R G; MOSS L R

Number of Countries: 019 Number of Patents: 013

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9101929	A	19910221				199110	B
AU 9060678	A	19910311				199123	
EP 485446	A1	19920520	EP 90911675	A	19900802	199221	
			WO 90AU326	A	19900802		
NZ 234764	A	19921028	NZ 234764	A	19900802	199301	
JP 5501904	W	19930408	JP 90510773	A	19900802	199319	
			WO 90AU326	A	19900802		
AU 643450	B	19931118	AU 9060678	A	19900802	199402	
US 5346165	A	19940913	US 92828800	A	19920129	199436	
EP 485446	A4	19921119	EP 90911675	A		199524	
EP 485446	B1	19960612	EP 90911675	A	19900802	199628	
			WO 90AU326	A	19900802		
DE 69027434	E	19960718	DE 627434	A	19900802	199634	
			EP 90911675	A	19900802		
			WO 90AU326	A	19900802		
ES 2091246	T3	19961101	EP 90911675	A	19900802	199650	
SG 49188	A1	19980518	SG 967403	A	19900802	199835	
JP 3096059	B2	20001010	JP 90510773	A	19900802	200052	
			WO 90AU326	A	19900802		

Priority Applications (No. Date): AU 897812 A 19891211; AU 895582 A 19890802; AU 9060678 A

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 9101929	A				
Designated States (National): AU CA JP US					
Designated States (Regional): AT BE CH DE DK ES FR GB IT LU NL SE					
EP 485446	A1	E		B65G-001/14	Based on patent WO 9101929
Designated States (Regional): AT BE CH DE DK ES FR GB IT LI LU NL SE					
NZ 234764	A			B25B-005/12	
JP 5501904	W			F17C-013/08	Based on patent WO 9101929
AU 643450	B			B65G-001/14	Previous Publ. patent AU 9060678 Based on patent WO 9101929
US 5346165	A		15	A47G-023/02	
EP 485446	B1	E	18	F17C-013/08	Based on patent WO 9101929
Designated States (Regional): AT BE CH DE DK ES FR GB IT LI LU NL SE					
DE 69027434	E			F17C-013/08	Based on patent EP 485446 Based on patent WO 9101929
ES 2091246	T3			F17C-013/08	Based on patent EP 485446
SG 49188	A1			B65G-000/00	
JP 3096059	B2		11	F17C-013/08	Previous Publ. patent JP 5501904 Based on patent WO 9101929

Abstract (Basic): WO 9101929 A

The restrainer of polyurethane or similar material, has securing apertures (53) at the juncture of its base (55, 57) and the side pieces (19), which define a clamping ring (23). The closing element has two straps, hinged (33) and anchored (31) to the sidepieces. An adjustable buckle (35) is affixed so that the closure adapts to the gap (21).

Ideally, two restrainers are used per cylinder whether stored horizontally or vertically. In the event of movement during transport the outwardly angled section (51) of the side piece acts as a buffer.

USE/ADVANTAGE - Transportation of gas cylinders. Shifting load and mutual damage are each avoided. (27pp Dwg.No.4/11)

Abstract (Equivalent): EP 485446 B

A restraining device for an object, comprising a body (15) having a base (17) for location against a support surface and a pair of side portions (19) extending from said base, characterised in that said base (17) and said side portions (19) are formed from a resilient material and define an opening (18) capable of expansion and contraction for receiving and clampingly retaining said object, said side portions (19) being resiliently deformable and having free ends remote from said base (17) in spaced apart relationship to define a gap (21) through which said object can be inserted into and removed from said opening (18), the size of said gap (21) varying with expansion and contraction of said opening (18), and a securing device (27) for releasably securing said side portions together, said securing device (27) being adapted to accommodate variations in the size of the opening (18) and to selectively draw the free ends of the resiliently deformable side portions (19) towards each other.

(Dwg.1/11)

Abstract (Equivalent): US 5346165 A

A body has a base for location against a support surface and a pair of side portions extending from the base. The base and side portions are formed from a resilient material and defining an opening capable of expansion and contraction for receiving and clampingly retaining the object. The base is deformable to define spaced apart sections for engaging and maintaining stable contact with the support surface upon expansion and contraction of the opening through deformation of the side portions and the base.

The point of contact of the spaced apart sections with the support surface varies with deformation of the side portions and the base. The base and side portions co-operate to define a clamping ring portion forming a periphery of the opening of variable size to accommodate different sized objects. The base comprises an elongate base portion and the ring portion is mounted on the inner longitudinal face of the base portion at a region intermediate the ends.

USE - A device for preventing a round object from rolling, e.g. gas

cylinders.
(Dwg.1/11)

32/3,AB/10 (Item 10 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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008329333

WPI Acc No: 1990-216334/199028

XRPX Acc No: N90-168046

Flexographic printing plate transfer tray - is shiftable so that leading edge is parallel to axis of plate cylinder

Patent Assignee: MOSSTYPE CORP (MOSS-N)

Inventor: **MOSS L I**

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4936212	A	19900626	US 89345407	A	19890501	199028 B

Priority Applications (No Type Date): US 89345407 A 19890501

Abstract (Basic): US 4936212 A

The machine includes an impression cylinder supported for rotation on a fixed axis, the impression cylinder making contact with printing plates on a plate cylinder and rotating concurrently with it to print a proof on the impression cylinder. The plate cylinder is movable from a proofing state in which it makes contact with the impression cylinder to a mounting state in which it is separated from it.

The flexographic printing plate to be mounted is provided with registration holes and lies on a support tray shiftable from a retracted position displaced from the plate cylinder in its mounting state to an operative position in which its leading edge is parallel to the axis of the plane cylinder and tangentially engages the surface.

USE - A machine to facilitate the mounting of flexographic printing plates and for obtaining proofs. (13pp Dwg.No.6/11)

32/3,AB/11 (Item 11 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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008027703

WPI Acc No: 1989-292815/198941

XRPX Acc No: N89-223469

Method of removing fixed stickers and labels - by placing moistened pad over sticker and leaving for processing overnight

Patent Assignee: MOSS L (MOSS-I)

Inventor: **MOSS L**

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
AU 8929973	A	19890817	AU 8929973	A	19890215	198941 B

Priority Applications (No Type Date): AU 886757 A 19880215; AU 8929973 A 19890215

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
AU 8929973	A		9		

Abstract (Basic): AU 8929973 A

A moistened pad or material impregnated with plain water, or other solutions, is placed over the sticker or label intended to be removed by an adhesive cover which also serves to keep the moisture in the pad or material air tight for as long as possible. Depending on the nature of the label or sticker to be removed the moistened pad or material should be left as a cover over the label or sticker to be removed and the pad or material covered in such a way as to keep them air tight for several

hours or longer, depending on the type of label or sticker to be removed.

A suggested period of processing would be overnight, depending on the atmosphere. This method is particularly applicable for removing plastics stickers used for registration labels on motor windscreens.

2/5

32/3,AB/12 (Item 12 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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004598375

WPI Acc No: 1986-101719/198616

XRPX Acc No: N86-074555

IC engine exhaust system silencer arrangement - comprises sound attenuation chamber surrounding perforated exhaust tube and containing spirally wound perforated sheets

Patent Assignee: WHITWORTH H M (WHIT-I)

Inventor: **MOSS L**

Number of Countries: 012 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 178080	A	19860416				198616 B

Priority Applications (No Type Date): GB 8423120 A 19840913

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 178080	A		11		

Designated States (Regional): AT BE CH DE FR GB IT LI LU NL SE

Abstract (Basic): EP 178080 A

The arrangement includes an annular sound-attenuation chamber formed between a perforated tube (1) and an outer tube (4). The perforated tube is mounted in the outer tube by end plates (2,3). Packed within the chamber is a wound, coherent, metallic or non-metallic perforated metal sheet (5).

Pref. the sheet is wound spirally around the perforated tube. The perforations in the sheet are pref. circular orifices, acting as voids. The voids permit gas flow and alteration of the sound attenuation characteristics of the assembly. Pref. there are at least two sheets.

USE - Esp. for motorcycle engine. (11pp Dwg.No.1/2)

32/3,AB/13 (Item 13 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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004211354

WPI Acc No: 1985-038234/198507

XRPX Acc No: N85-028458

Nozzle for abrasive blaster - has tubular body with passage extending between air-grit and water supply inlets

Patent Assignee: BOLRETTE PTY LTD (BOLR-N)

Inventor: **MOSS L R**

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
AU 8436209	A	19841220	AU 8436209	A	19841130	198507 B

Priority Applications (No Type Date): AU 8436209 A 19841130

Abstract (Basic): AU 8436209 A

The abrasive blasting nozzle comprises a tubular body defining a flow passage, the tubular body having first and second inlets, and an outlet for communication with a nozzle element. The flow passage extends between the first inlet and the outlet, the first inlet being for connection to a first supply line for receiving grit particles

entrained in air or other gaseous transport fluid. The second inlet is for connection to a water supply line for receiving water under pressure.

An insert of annular configuration is received in the flow passage, comprising a circumferential channel in communication with the second inlet and a central bore which is co-axial with the flow passage, the cross-sectional area of the bore decreasing in the direction of fluid flow.

32/3,AB/14 (Item 14 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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004191811

WPI Acc No: 1985-018691/198504

XRPX Acc No: N85-013605

Abrasive blasting nozzle - has tubular body with insert having multiple jets to direct high pressure water

Patent Assignee: BOLRETTE PTY LTD (BOLR-N)

Inventor: **MOSS L R**

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
AU 8425107	A	19841129	AU 8425107	A	19840227	198504 B

Priority Applications (No Type Date): AU 839552 A 19830525; AU 8425107 A 19840227

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
AU 8425107	A		22		

Abstract (Basic): AU 8425107 A

The sand blasting nozzle has a tubular body and insert which injects water at high pressure. The insert has two O-rings which contact the wall of the tubular body and come into contact with a spacer and conventional sand blast nozzle.

The insert has a number of jets which direct high pressure water into the sand blast nozzle. The water is reflected through the passage and onto the work as a high pressure stream. The water streams are set into the insert so as not to damage the sand blast nozzle.

ADVANTAGE - Contains dust emission without interfering, and assists air and sand streams through the tubular body and nozzle.

0/2

32/3,AB/15 (Item 15 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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003897558

WPI Acc No: 1984-043101/198408

XRPX Acc No: N84-032770

Drip or trickle irrigation - has inlet of emitter with chamber receiving fluid via orifice and float member

Patent Assignee: MOSS L V (MOSS-I)

Inventor: **MOSS L V**

Number of Countries: 003 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
AU 8315678	A	19840105	AU 8315678	A	19830610	198408 B
GB 2125665	A	19840314	GB 8218776	A	19820629	198411
US 4509692	A	19850409	US 83501860	A	19830607	198517
GB 2125665	B	19851002				198540

Priority Applications (No Type Date): GB 8218776 A 19820629

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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Abstract (Basic): GB 2125665 A

An emitter for drip or trickle irrigation, said emitter comprising an inlet for irrigation fluid, a chamber to receive fluid from said inlet, a fluid outlet from said chamber, a variable-orifice device to control fluid flow from said inlet to said chamber, and a float member within the chamber operatively coupled to said device to vary the cross-sectional area of its orifice (and thus control the fluid flow through said inlet) upon variation of the head of fluid within the chamber, said fluid outlet being adapted to provide drip or trickle flow of fluid therefrom.

AU 8315678 A

The emitter is for drip or trickle irrigation. The emitter comprises an inlet for irrigation fluid, a chamber to receive fluid from the inlet and a fluid outlet from the chamber. A variable-orifice device controls fluid flow from the inlet to the chamber.

A float member within the chamber is operatively coupled to the device to vary the cross-sectional area of its orifice (and thus control the fluid flow through the inlet) upon variation of the head of fluid within the chamber.

1/5

Abstract (Equivalent): GB 2125665 B

An emitter for drip or trickle irrigation, said emitter comprising an inlet for irrigation fluid, a chamber to receive fluid from said inlet, a fluid outlet from said chamber, a variable-orifice device to control fluid flow from said inlet to said chamber, and a float member within the chamber operatively coupled to said device to vary the cross-sectional area of its orifice (and thus control the fluid flow through said inlet) upon variation of the head of fluid within the chamber, said fluid outlet being adapted to provide drip or trickle flow of fluid therefrom.

Abstract (Equivalent): US 4509692 A

The emitter comprises an inlet for irrigation fluid and a chamber to receive fluid from the inlet. A fluid outlet leads from the chamber, with a variable-orifice to control fluid flow from the inlet to the chamber and a float within the chamber operatively coupled to the device to vary the cross-sectional area of its orifice and thus control the fluid flow through the inlet upon variation of the head of fluid within the chamber.

The variable orifice comprises a tube having one end open and connected to the inlet and its other opposite end closed. The tube is slit intermediate its ends in an upper wall portion to provide the orifice and yieldable at least in the vicinity of the wall portion below the slit. The orifice is openable and closable by bending the two end portions of the pipe about the yieldable lower wall portion.

USE - Emitter for drip or trickle irrigation.

(6pp)

32/3,AB/16 (Item 16 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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003798429

WPI Acc No: 1983-794668/198342

XRPX Acc No: N83-187159

Mandrel assembly for demountable printing cylinders - has tube receivable in cylinder with journals at each end

Patent Assignee: MOSSTYPE CORP (MOSS-N)

Inventor: **MOSS L I**

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4407199	A	19831004				198342 B

Priority Applications (No Type Date): US 81292129 A 19810812; US 80194616 A 19801006; US 80207976 A 19801118

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
US 4407199 A 5

Abstract (Basic): US 4407199 A

The mandrel is for supporting demountable printing cylinders of different lengths. It includes a tube receivable within the cylinder to be mounted and having journals joined at either end. Encircling each journal are expansible sleeves in side-by-side relation, the first set of sleeves fitting within the end heads of the shorter cylinder when it is mounted on the mandrel, the second set of sleeves fitting within the end heads of the longer cylinder. Below each sleeve on the journal is a relieved zone defining an annular hydraulic chamber.

A bore in the journal receives a piston and a tool-operated piston screw, the bore leading into an internal duct having a branch communicating with the hydraulic chamber.

1/2

32/3,AB/17 (Item 17 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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003636326

WPI Acc No: 1983-J4528K/198325

XRPX Acc No: N83-109821

Mandrel assembly for demountable printing cylinder - comprises tube having journals at each end encircled by expansible sleeve defining hydraulic chamber actuated by piston screw

Patent Assignee: MOSSTYPE CORP (MOSS-N)

Inventor: **MOSS L I**

Number of Countries: 004 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4386566	A	19830607				198325 B
DE 3309815	A	19840920	DE 3309815	A	19830318	198439
GB 2137140	A	19841003	GB 836597	A	19830310	198440
GB 2137140	B	19860326				198613
CA 1208974	A	19860805				198636
DE 3309815	C	19870416				198715

Priority Applications (No Type Date): US 80207976 A 19801118; US 80194616 A 19801006; US 81292129 A 19810812; DE 3309815 A 19830318; GB 836597 A 19830310

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
US 4386566 A 8

Abstract (Basic): US 4386566 A

The mandrel assembly for a demountable printing cylinder includes a tube receivable within the cylinder and having journals at either end. Encircling each journal is an expansible sleeve, the sleeves fitting within the end heads of the cylinder when it is mounted on the mandrel assembly. Below each sleeve on its journal is a relieved zone defining an annular hydraulic chamber.

An axial inlet section which opens into the free end of each journal receives a piston and a tool-operated piston screw. The inlet section leads into an axially aligned internal duct having a lateral branch communicating with the hydraulic chamber. The duct and chamber are filled with hydraulic fluid. Turning the piston screw locks and unlocks the cylinder to the mandrel assembly.

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32/3,AB/18 (Item 18 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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003634389

WPI Acc No: 1983-J2592K/198325

XRPX Acc No: N83-107082

Adjustable slit plate assembly for monochromator - consists of plates located and supported on disc, and are shaped as sector of circle

Patent Assignee: PHILIPS ELTRN & ASSOC IND LTD (PHIG)

Inventor: **MOSS L** ; REGINALD A

Number of Countries: 010 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
GB 2110833	A	19830622				198325	B
EP 81868	A	19830622	EP 82201474	A	19821119	198326	
AU 8290723	A	19830602				198329	
US 4483590	A	19841120	US 82439463	A	19821105	198449	
EP 81868	B	19860319				198612	
DE 3270025	G	19860424				198618	

Priority Applications (No Type Date): GB 8135219 A 19811123

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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GB 2110833	A		5		
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EP 81868	A	E			
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Designated States (Regional): CH DE FR GB IT LI NL SE

EP 81868	B	E			
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Designated States (Regional): CH DE FR GB IT LI NL SE

Abstract (Basic): GB 2110833 A

The assembly is formed by two identical metal plates (P1,P2) each having a set of slits (EX1,EX6,EN1,EX6) with all the slits disposed on a common circle. The plates (P1,P2) are located and supported on a disc (SM) on a rotatable shaft (SH) at the axis (A) of the circle.

The slits are each of min. length to pass a radiant beam of given energy through the monochromator and each set of slits occupies an arc of min. length. The shape of each plate is a sector of a further circle whose radius and arc are the min. necessary to accommodate the slits and the axis. The complete configuration of the plates is formed by etching in a single operation, and a greater number of slits sets can be formed together from a plate of given area than for the prior art case in which the two sets of slits for a slit assembly are formed in a single plate in the shape of a complete disc. A significant cost reduction in the slit assembly is thus achieved.

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32/3,AB/19 (Item 19 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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003631249

WPI Acc No: 1983-H9452K/198324

XRPX Acc No: N83-102997

Electrochemical bistable arrangement for spectrophotometer - allows optical element to be positioned in either one of two stable positions using synchronous motor

Patent Assignee: PHILIPS ELTRN & ASSOC IND LTD (PHIG)

Inventor: BARRETT C J; **MOSS L** ; REGINALD A

Number of Countries: 004 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
GB 2110422	A	19830615				198324	B
EP 82545	A	19830629				198327	
AU 8290799	A	19830602				198329	
JP 58112455	A	19830704				198332	
US 4529270	A	19850716	US 82440920	A	19821112	198531	

Priority Applications (No Type Date): GB 8135797 A 19811127

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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GB 2110422 A 7
EP 82545 A E
Designated States (Regional): GB

Abstract (Basic): GB 2110422 A

The synchronous motor (10) is adjustably positioned on a support plate (12) by screws (13,14) passing through slots (15,16) in the plate (12). An optical filter (21) on an arm (20) is secured to the motor rotor for horizontal rotation of the arm (20) between two stable positions defined by stops (27,28) so that the filter is held stable either in or out of the path of a light beam (X) through the spectrophotometer.

The stops (27,28) are spaced and positioned in relation to the stator poles of the motor such that application to two stator coils of the motor of one or other of two predetermined discrete voltage codes (+12 volts and +12 volts, or -12 volts and -12 volts) will unambiguously drive the rotor in the direction of a predetermined one or other of the stops towards a stable pole position.

1/12

Abstract (Equivalent): US 4529270 A

A synchronous motor is adjustably positioned on a support plate by screws passing through slots in the support plate. An optical filter is attached to an arm which is secured to the rotor of the motor for horizontal rotation of the arm between two stable positions defined by stops so that the filter is held stable either in or out of the path of a light beam in a spectrophotometer, for example.

The stops are spaced and positioned in relation to the stator poles of the motor such that application to two stator coils of the motor of one or the other of two predetermined discrete voltage codes will unambiguously drive the rotor in the direction of a predetermined one or the other of the stops toward a stable pole position of the motor corresponding to that code until movement is terminated by that stop.

32/3,AB/20 (Item 20 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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003626198

WPI Acc No: 1983-H4400K/198322

XRPX Acc No: N83-096817

Mandrel assembly for demountable printing cylinder - has journalled ends with sleeve defining annular hydraulic chamber operated by piston screw to expand sleeve and engage cylinder

Patent Assignee: MOSSTYPE CORP (MOSS-N)

Inventor: MOSS L I

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4383483	A	19830517				198322 B

Priority Applications (No Type Date): US 80194616 A 19801006; US 80207976 A 19801118; US 81292129 A 19810812

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 4383483	A	7		

Abstract (Basic): US 4383483 A

The mandrel assembly for a demountable printing cylinder includes a tube receivable within the cylinder and having journals joined to either end. Encircling each journal is an expansible sleeve, the sleeves fitting within the end heads of the cylinder when it is mounted on the mandrel assembly. Below each sleeve is a relieved journal zone defining an annular hydraulic chamber.

A lateral bore in each journal receives a piston and a tool-operated piston screw, the bore leading into an internal duct having branches communicating with the hydraulic chamber. When the

piston screw is turned to advance the piston, the resultant hydraulic pressure causes the sleeve to expand and grip the cylinder head thereby locking the cylinder to the mandrel assembly.

32/3,AB/21 (Item 21 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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003504518

WPI Acc No: 1982-52493E/198226

High capacity laminated busbar - comprises laminated conductor and insulating layers, with high capacity capacitors inlaid between conductor strips

Patent Assignee: ELDRE COMPONENTS INC (ELDS)

Inventor: KNOX P J; **MOSS L C** ; SNYDER R W

Number of Countries: 005 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
BE 892193	A	19820616				198226 B
US 4346257	A	19820824				198236
DE 3205819	A	19830825				198335
GB 2115213	A	19830901	GB 825016	A	19820219	198335
FR 2521790	A	19830819				198338
GB 2115213	B	19850717				198529

Priority Applications (No Type Date): FR 822489 A 19820216; GB 825016 A 19820219

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
BE 892193	A		15		

Abstract (Basic): BE 892193 A

High capacity, laminated busbar is mfd. by (a) preparing a thin flexible insulating strip (42) carrying at least one window (43) from a layer (40) of dielectric plastic material, covered with resin; (4) placing in the window a thin, inlaid ceramic dielectric piece (44) similar to a slice, the opposite faces of which are metallised; (c) partially curing the strip, so that part of the coating flows and comes into contact with the edges of the inlay to fix it into the window in position coplanar with the strip; (d) placing the strip between two conductive strips of metal (12,22) so that they are isolated from each other; (e) then applying an insulating sheath (40') of plastic material on the conductive strips so that the metallic faces of the inlay are in direct contact with the surfaces of the conducting strips.

Capacitive strips can be inserted in the busbar without use of adhesive, conductive or otherwise, other than the material present on the insulating layer.

1

32/3,AB/22 (Item 22 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2001 Derwent Info Ltd. All rts. reserv.

003322308

WPI Acc No: 1982-H0323E/198224

Cooker with store for raw or precooked food - is for e.g. making french fries and has vibratory conveyor with ramp operated by pulsating DC source

Patent Assignee: WILLIAMS R H (WILL-I)

Inventor: ELLIOTT M T; **MOSS L S**

Number of Countries: 012 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2088704	A	19820616	GB 8135009	A	19811120	198224 B
EP 84206	A	19830727				198331
US 4428280	A	19840131	US 84323562	A	19841120	198407

Priority Applications (No Type Date): NZ 195909 A 19801222; NL 80195614 A 19801121; NZ 195614 A 19801121

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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GB 2088704	A		12		
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EP 84206	A	E			
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Designated States (Regional): AT BE CH DE FR IT LI LU NL SE

Abstract (Basic): GB 2088704 A

The device comprises a hopper for storing raw or precooked foodstuffs; metering device constructed and arranged to meter a predetermined quantity of foodstuffs received from the hopper. A vibratory conveying system is operable to convey foodstuffs from the hopper to the metering device.

The conveyor has a ramp and the device to impart vibration to the ramp comprises an electromagnet powered by pulsating D.C. power source, the ramp is supported on springs. The frequency of pulsing of the D.C. power source is set to be equal to the natural mechanical frequency of the ramp and springs.

1

32/3,AB/23 (Item 23 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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003245831

WPI Acc No: 1982-A4724E/198202

Thermal therapeutic seating appts. with two air chambers - has heater with electrical heating coils controlled by external and knob thermostatic control with rechargeable battery

Patent Assignee: MOSS L C (MOSS-I)

Inventor: MOSS L C

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4306747	A	19811222				198202 B

Priority Applications (No Type Date): US 80123939 A 19800225

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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US 4306747	A		5		
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Abstract (Basic): US 4306747 A

In the thermal therapeutic seating appts., a heater device (20) is located in the first chamber (14) pref. behind the air inlet openings (90). The heater may be comprised of electrical heating coils (100) which receive power from an external electrical power source through an electrical cord (102). A heater control device (104) may regulate the amount of power going into the heater coils and thereby the amount of heat generated by the heater.

The heater control can be regulated by an external knob (105) extending from the side surface (46) of the seating structure. A conventional thermostatic control is within a control (104) whereby the heater turns either on or off when the temperature reaches predetermined limits. A rechargeable battery supply may be provided to generate the power for the heater device (20) so that the appts. may be moved to any location and remain independent of a requirement for a electrical receptacle.

1

32/3,AB/24 (Item 24 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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002188666

WPI Acc No: 1979-L8620B/197951

Angular indexing mechanism for orienting workpiece - has sensor to detect where gears do not fully intermesh to momentarily reverse motor

Patent Assignee: MOSSTYPE CORP (MOSS-N)

Inventor: **MOSS L I**

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4177696	A	19791211				197951 B

Priority Applications (No Type Date): US 76651535 A 19760122

Abstract (Basic): US 4177696 A

In the indexing mechanism, a workpiece to be machined by a tool is attachable to the end of rotatable spindle that is driven by the reversible motor of a servo-mechanism to assume a desired granular position. Mounted on the spindle and rotatable with it is one gear of a multiple-tooth face gear coupling pair, the second gear of which is axially advanced by a motor along the spindle into and out of meshing engagement with the first gear.

The second gear is non-rotatable and acts, when in mesh with the first gear, to prevent rotation of the spindle and lock the angular position of the workpiece. In order to effect precise indexing, a sensor is provided to detect the point at which the second gear is slightly shy of full intermesh with the first gear.

32/3,AB/25 (Item 25 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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002106630

WPI Acc No: 1979-C6545B/197912

Shipper tray for tissue culture dishes - has recesses, removal slots and covers for stacked dishes and spillage space

Patent Assignee: MOSS L H (MOSS-I)

Inventor: **MOSS L H**

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4143765	A	19790313				197912 B

Priority Applications (No Type Date): US 77762399 A 19770126

Abstract (Basic): US 4143765 A

The convenient shipper and display tray for tissue culture dishes has spaced side-by-side vertical voids to receive the dishes in vertical stacked array. Finger slots communicate from the exterior to the vertical stacked array, accommodating finger movement and removal of dishes. Spill containment and sterile covering for each stack as well as included. In one design, the tray can be circular and mounted on a base, to rotate for inspection.

32/3,AB/26 (Item 26 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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002106629

WPI Acc No: 1979-C6544B/197912

Culture flask shipper container - is divided into compartments by ribs, and can be used as storage and inspection rack

Patent Assignee: MOSS L H (MOSS-I)

Inventor: **MOSS L H**

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
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Priority Applications (No Type Date): US 76724997 A 19760920

Abstract (Basic): US 4143764 A

The shipping container and convenience risk for culture flasks is an open-sided cubic structure. It has an internal slide-type separators defining singular compartments. It has a lid having void recesses receptive of the mouths of the flask to protect and lend stability in shipment.

The structure permits easy viewing of the flasks while fully within the rack in order to observe the contents, the colour change or the condition of the culture without removing the flasks from the rack. It can be stood on end with the flasks horizontal for easy removal.

32/3,AB/27 (Item 27 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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002081098

WPI Acc No: 1979-A0983B/197901

Exhaust silencer for multicylinder IC engine - has acoustically tuned exhaust pipe between expansion chambers and coaxial double outlet pipe from second chamber

Patent Assignee: MOSS L C (MOSS-I)

Inventor: **MOSS L C**

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 1537299	A	19781229				197901 B
US 4172508	A	19791030				197945

Priority Applications (No Type Date): GB 7647151 A 19761112

Abstract (Basic): GB 1537299 A

The silencer for use with a vehicle exhaust is esp. for use with multicylinder i.c. engines on motorcycles, where length restrictions prevail. A secondary expansion chamber has a greater vol. than a primary chamber, with a tuned exhaust pipe length running between and forming the only connection.

The outlet pipe leading from the secondary chamber surrounds the exhaust pipe with clearance between. A further pipe surrounds this, again with clearance. The outlet pipe and this additional pipe are perforated for passage of exhaust gas and take the form of tubular resonators. An outer megaphone form casing may surround the pipes to improve the general appearance.

39/3,AB/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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013516607

WPI Acc No: 2001-000813/200101
Related WPI Acc No: 2000-239253
XRPX Acc No: N01-000646

System for creating an electronic method to allow consumers to make transactions such as making purchases of goods and services over the Internet

Patent Assignee: CITIBANK NA (CITI-N

Inventor: KATIS T E

Number of Countries: 025 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1039402	A2	20000927	EP 2000200960	A	20000317	200101 B

Priority Applications (No Type Date): US 99126524 A 19990326; US 99125155 A 19990319

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 1039402	A2	E	8	G06F-017/60	

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
LI LT LU LV MC MK NL PT RO SE SI

Abstract (Basic): EP 1039402 A2

Abstract (Basic):

NOVELTY - A personal computer (100) includes a **web** browser (100a) and locally stored electronic currency (100b) coupled to network (105) and Internet service provider. To buy goods or services, the customer uses an electronic card account (110a) stored at the **financial** institutional computer (100) with server (115).

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for methods of purchasing goods or services, for paying for goods or services and for forming an electronic form of payment.

USE - Making transactions by electronic systems.

DESCRIPTION OF DRAWING(S) - The drawing is a diagram of the system of one embodiment of the invention

Personal computer (100)

Web browser (100a)

Electronic currency (100b)

Network (105)

Institutional computer (100)

Merchant server (115)

Merchant store (120)

Electronic card account (110a)

pp; 8 DwgNo 1/4

39/3,AB/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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013067381

WPI Acc No: 2000-239253/200021
Related WPI Acc No: 2001-000813
XRPX Acc No: N00-179639

Co-branding method for electronic payment platform, in which electronic wallet is controlled by financial institution, and used to promote co-branded electronic wallet with brands of other institutions

Patent Assignee: CITIBANK NA (CITI-N

Inventor: KATIS T

Number of Countries: 025 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 987642	A2	20000322	EP 99203005	A	19990915	200021 B

Priority Applications (No Type Date): US 99126524 A 19990326 US 98100408 A 19980915

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 987642 A2 E 15 G06F-017/60

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI

Abstract (Basic): EP 987642 A2

Abstract (Basic):

NOVELTY - An electronic wallet is controlled by a **financial** institution e.g. a bank, and used to promote a co-branded electronic wallet with brands of other institutions. The electronic wallet is co-branded, for example, with the brand of the **financial** institution and the brand or brands of one or more co-operating merchants.

DETAILED DESCRIPTION - The method for co-branding an electronic payment platform uses one or more electronic wallet related servers which are controlled by a **financial** institution. The servers can be coupled over the Internet to a user's personal computer and merchant's **website** server. The electronic wallet is co-branded, for example, with the brand of the **financial** institution and the brand or brands of one or more co-operating merchants. INDEPENDENT CLAIMS are also included for; a system for co-branding an electronic payment platform.

USE - Co-branding an electronic payment platform e.g. an electronic purse or wallet, owned and controlled by a **financial** institution e.g. a bank, which enables the institution to promote the co-branded electronic wallet with the brands of the **financial** institution, as well as brands of other cooperating merchants.

ADVANTAGE - Enables **financial** institutions to control accounts, linkages to accounts and credit cards or other payment vehicles that are put into the co-branded wallet.

DESCRIPTION OF DRAWING(S) - The drawing shows a schematic diagram which shows an overview of the flow of information between key components of e.g. an electronic payment platform.

Consumer (2)

Co-branded wallet (4)

Bank's consumer scale group server (6)

Merchant scale group server (12)

pp; 15 DwgNo 1/6

39/3,AB/3 (Item 3 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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012591358

WPI Acc No: 1999-397464/199934

XRPX Acc No: N99-297298

Purchaser to merchant financial transaction method for e.g. Internet commerce

Patent Assignee: CITIBANK NA (CITI-N

Inventor: SLATER A

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2333878	A	19990804	GB 991782	A	19990128	199934 B
US 6098053	A	20000801	US 9872878	A	19980128	200039
			US 9897501	A	19980821	
			US 99237739	A	19990126	

Priority Applications (No Type Date): US 9897501 A 19980821; US 9872878 A 19980128; US 99237739 A 19990126

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

GB 2333878 A 62 G07F-007/10

US 6098053 A G06F-017/60

Provisional application US 9872878

Provisional application US 9897501

Abstract (Basic): GB 233387A

Abstract (Basic):

NOVELTY - The on-line **ATM** /POS transaction is performed over a public access network, e.g. the internet, where the transaction instruction comprises purchaser card information, security information and transaction amounts verified by merchant identification signatures before **financial** institution verification. The transaction details are encrypted according to recognized standards and are associated with the checking or savings accounts in the purchaser's bank.

DETAILED DESCRIPTION - An **INDEPENDENT CLAIM** is also included for a system for a purchaser to perform a **financial** transaction.

USE - For electronic transactions involving checking or savings accounts, such as electronic bill payment, money transfer, and business to business payments using the **WWW** , e-mail and other Internet protocols.

ADVANTAGE - The method permits any consumer with a valid **ATM** card issued by any **financial** institution to utilize their checking or savings account from a personal computer in an on-line **ATM** /POS transaction over the Internet. The method can be used with existing **ATM** facilities so only limited hardware or software is required to utilize the facility, and a user may perform these transactions instructions regardless of whether their **financial** institution has the capability to offer the service. Transactions may also commence without prior account relationships between the purchaser, merchant and **financial** institution.

DESCRIPTION OF DRAWING(S) - The drawing shows a labeled schematic of the transaction method.

pp; 62 DwgNo 1/4

39/3,AB/4 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011855580

WPI Acc No: 1998-272490/199824

XRPX Acc No: N98-213879

Delivery system for providing financial services to remote devices such as personal computers, screen phones - selects dialogue component which collects information to perform function, and then passes information to transaction executor component which carries out function

Patent Assignee: **CITICORP** DEV CENT INC (CITI-N); **CITICORP** DEV CENT (CITI-N)

Inventor: **ABBOTT C**; **BOYD N**; **COHEN A**; **COOK J**; **GRANDCOLAS M**; **LAN S**; **LINDSLEY B**; **MARKARIAN G**; **MOSS L**; **ZEANAH J**

Number of Countries: 079 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9819278	A2	19980507	WO 97US18702	A	19971031	199824 B
AU 9850809	A	19980522	AU 9850809	A	19971031	199840
US 5933816	A	19990803	US 9629209	A	19961031	199937
			US 97908413	A	19970807	
EP 1010113	A2	20000621	EP 97913679	A	19971031	200033
			WO 97US18702	A	19971031	

Priority Applications (No Type Date): US 97908413 A 19970807; US 9629209 A 19961031

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9819278 A2 E 66 G07F-000/00

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW

Designated States (Regional): AT BE CH DE DK EA ES FI FR GB GH GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW

AU 9850809 A G07F-019/00 Based on patent WO 9819278

US 5933816 A G06F-017/60 Provisional application US 9629209

EP 1010113 A2 E G06F-017/60 Based on patent WO 9819278

Designated States (Region): AL AT BE CH DE DK ES FI FR GR IE IT LI
LT LU LV MC NL PT RO SE SI

Abstract (Basic): WO 9819278 A

A **delivery** system (10) allows a **financial** institution to provide **financial** services to customers using remote devices such as a personal computer (18), a screen phone (14) and an automated teller machine (16). Services can also be provided internally to the **financial** institution via staff terminals (26) and externally to an on-line service provider (22) for transmission over the **World Wide Web** to more remote devices (24).

The system consists of independent modular components. A dialogue component collects information from the user, a rule broker component provides answers to various legal and regulatory rules for a particular country, a language man component selects the appropriate language, a transaction executor component performs the function requested by the user, and a presentation manager component formats the user output.

USE - Also for transferring data to **automatic teller machine**. For replying to customer or member of staff who requests function from remote device.

ADVANTAGE - As system consists of separate independent components, development and maintenance times are substantially reduced. Also can interconnect and communicate with systems in other countries.

Dwg.1/22

File 2:INSPEC 1969-2001/Jan W4
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 File 238:Abs. in New Tech & Eng. 1981-2001/Jan
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S1	0	AU=ZEANAH J?
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S46	244	AU=MOSS L?
S47	297	AU=MOSS, L?
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S49	2	S6 AND S48
S50	2	RD (unique items)

8/3,AB/1 (Item 1 from file: 2)

DIALOG(R) File 2:INSPEC

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00237922 INSPEC Abstract Number: A71019570, B71011677

Title: An electrostatic cloud droplet probe

Author(s): Sartor, J.D.; Abbott, C.E.

Author Affiliation: Nat. Center for Atmospheric Res., Boulder, CO, USA

Conference Title: Papers presented at the conference on cloud physics (preprints) p.97-8

Publisher: American Meteorological Soc, Boston, MA, USA

Publication Date: 1970 Country of Publication: USA viii+207 pp.

Conference Sponsor: American Meteorological Soc

Conference Date: 24-27 Aug. 1970 Conference Location: Fort Collins, CO, USA

Language: English

Abstract: An airborne probe has been described by D. P. Keily and S.G. Millen (1960) which electrostatically measures cloud droplet sizes. The instrument, when coupled with the appropriate electronic circuitry, can be used to obtain droplet distributions over time periods as short as 0.5 sec. However, explanations of the physical processes involved remain unproven and indeed have been subjected to some criticism and comment. Because of the potential of this instrument, the authors have attempted to verify Keily and Millen's early results and advance understanding of the electrostatic probe.

Subfile: A B

8/3,AB/2 (Item 1 from file: 108)

DIALOG(R) File 108:AEROSPACE DATABASE

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02042765 N92-27029

Observations of wind forced circulation on the continental shelf off Point Sur, California from a self-contained acoustic Doppler current profiler

M.S. Thesis

ABBOTT, CHRISTOPHER L.

Naval Postgraduate School, Monterey, CA.

CORPORATE CODE: NS368219

Dec. 1991 105P.

REPORT NO.: AD-A246437

To study the current structure of the California Current as it manifests itself on the continental shelf a subsurface mooring, P1, was anchored 5 km west of Point Sur at 36 17' N, 121 59' W from 28 February through 11 May 1990. The P1 Mooring, placed on the 84 m isobath, consisted of a Self-Contained Acoustic Doppler Current Profiler (SC-ADCP) housed in a syntactic foam sphere and secured to an anchor. The mooring geometry placed the transducer heads at 80 m depth. The instrument operated at 307 kHz with each beam inclined 30 from the vertical. An ensemble average of 170 one-second pings were recorded every 15 minutes for 70 days. Good velocity data to within 17 m of the surface were obtained at 4 m intervals throughout the record. Low-pass filtered data indicated high coherence between the observed currents and the local wind forcing measured at the Monterey Bay NOAA buoy located 53 km to the northwest. During equatorward wind events the current response was vertically sheared and time-lagged at depth with near surface speeds up to 35 cm s. During wind relaxations (periods of no wind) and poleward winds a pressure induced barotropic poleward flow, on the order of 10 cm s, developed throughout the water column. These poleward currents became more frequent and better developed later in the record. Analysis of adjusted sea level (ASL) differences between stations located to the north and south of mooring P1 suggest an increasing poleward pressure gradient during the span of the record. Alongshore differences in the alongshore wind stress component contributed to the increasing difference in ASL. (DTIC)

8/3,AB/3 (Item 2 from file: 108)

DIALOG(R)File 108:AEROSPACE DATABASE
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00565111 A73-11058

An electrostatic cloud droplet probe.

ABBOTT, C. E.; DYE, J. E.; SARTOR, J. D. (National Center for Atmospheric Research, Boulder, Colo.)

Journal of Applied Meteorology, vol. 11, Oct. 1972, p. 1092-1100.

Oct. 1972 15 REFS.

An electrostatic cloud droplet sizing device (electrostatic disdrometer) originally developed by Keily and Millen has been tested, modified extensively, and calibrated in our laboratory. The investigations have shown that soon after entry into the probe orifice, the incoming droplet is broken into many fragments. These fragments impact and splash on an electrode raised to a 510 V potential. Measured pulses for a given droplet size give a reproducible calibration curve. Airborne tests of the probe have shown it to operate reliably with minimal maintenance. Comparisons were made between values of the liquid water content measured by the electrostatic disdrometer and by the Johnson-Williams hot-wire, liquid-water content meter and between the droplet size distributions measured by the disdrometer and by impaction slide replicas. ((Author))

8/3,AB/4 (Item 3 from file: 108)

DIALOG(R)File 108:AEROSPACE DATABASE

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00208146 A67-42883

Epoch sensitivity of superheterodyne microwave receivers to electromagnetic pulses produced by electrical discharge between water drops. (Radio signals from clouds to yield information on cloud physics, using superheterodyne microwave receivers)

ABBOTT, C. E. /NATIONAL CENTER FOR ATMOSPHERIC RESEARCH, BOULDER, COLO./.
; ATKINSON, W. R.

JOURNAL OF GEOPHYSICAL RESEARCH, VOL. 72, OCT. 15, 1967, P. 4953-4958.

Oct. 1967

8/3,AB/5 (Item 1 from file: 77)

DIALOG(R)File 77:Conference Papers Index

(c) 2000 Cambridge Sci Abs. All rts. reserv.

4146058

Supplier Accession Number: 95-03261

V23N03

Atmospheric deposition and movement of mercury in small stream watersheds in Maine

Haines, T.A.; Abbott, C.C.

Natl. Biological Survey, Orono, ME, USA

Society of Environmental Toxicology and Chemistry 15th Annual Meeting:
Ecological Risk: Science Policy, Law and Policy 9445003 Denver, CO
(USA) 30 Oct-3 Nov 1994

Society of Environmental Toxicology and Chemistry

Society of Environmental Toxicology and Chemistry, 1010 North 12th Ave.,
Pensacola, FL 32501-3307, USA, Abstracts available. Price \$30 (includes shipping). Paper No. 480

8/3,AB/6 (Item 1 from file: 6)

DIALOG(R)File 6:NTIS

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2004973 NTIS Accession Number: AD-A323 051/3

User's Manual for the Naval Interactive Data Analysis System-Climatologies (NIDAS-C). Version 2.0

(Technical note)

Abbott, C.

Mississippi State Univ., Stennis Space Center. Center for Air Sea Technology.

Corp. Source Codes: 1068001; 426578

Report No.: CAST-TN-01-97

1 Dec 96 45p

Languages: English

Journal Announcement: GRAI9715

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NTIS Prices: PC A04/MF A01

This technical note provides the user's manual for the NIDAS-C system developed for the naval oceanographic office. NIDAS-C operates using numerous oceanographic data categories stored in an installed version of the Naval Environmental Operational Nowcast System (NEONS), a relational database management system (rdbms) which employs the ORACLE proprietary rdbms engine. Data management, configuration, and control functions for the supporting rdbms are performed externally. NIDAS-C stores and retrieves data to/from the rdbms but exercises no direct internal control over the rdbms or its configuration. Data is also ingested into the rdbms, for use by NIDAS-C, by external data acquisition processes. The data categories employed by NIDAS-C are as follows: Bathymetry - ocean depth at x' minute resolution; Coastline - vector coordinates of the shoreline at several different resolutions from the World Vector Shoreline (WVS) datasets; GDEM, GRID 1, GRID2 - gridded fields of temperature, salinity, and sound speed provided by NAVOCEANO, and MOODS, AUX1, AUX2 - oceanographic profiles of temperature, salinity, and sound speed versus depth stored in the formats prescribed by the Master Oceanographic Observation Data Set (MOODS).

8/3,AB/7 (Item 1 from file: 144)

DIALOG(R)File 144:Pascal

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00383232 PASCAL No.: 74-0013363

A METHOD OF MEASURING LOW-VELOCITY VERTICAL FLOW

ABBOTT C E

NATL. CENT. ATMOS. RES., BOULDER, COLO. 80302

Journal: J. APPL. METEOROL., 1973, 12 (8) 1384-1386

Language: ENGLISH

EXPOSE D'UNE METHODE POUR LA MESURE DES VITESSES ASCENSIONNELLES DE MOINS DE 1 M/S DANS UN TUNNEL VERTICAL. ELLE CONSISTE A OBSERVER LA COLLISION ET LA COALESCENCE DE 2 GOUTTES DE MEME RAYON. LA VITESSE DE CHUTE DE LA GOUTTE RESULTANTE EST ALORS RELIEE UNIQUEMENT A LA VITESSE DU COURANT ASCENDANT

8/3,AB/8 (Item 2 from file: 144)

DIALOG(R)File 144:Pascal

(c) 2001 INIST/CNRS. All rts. reserv.

00034134 PASCAL No.: 73-0017423

SOME DETAILS OF COALESCENCE AND CHARGE TRANSFER BETWEEN FREELY FALLING DROPS IN DIFFERENT ELECTRICAL ENVIRONMENTS

SARTOR J D; ABBOTT C E

NATL. CENT. ATMOS. RES., BOULDER, COLO., USA

Journal: J. RECH. ATMOSPH., 1972, 6 (1-3) 479-493

Language: ENGLISH Summary Language: FRENCH

LES RESULTATS DE CES EXPERIENCES MONTRENT QUE L'ENVIRONNEMENT ELECTRIQUE A UN EFFET MESURABLE SUR L'EFFICACITE DE COALESCENCE DES GOUTTES D'EAU ENTRANT EN COLLISION ET, DE CE FAIT, EST L'UN DES NOMBREUX FACTEURS AFFECTANT LA CROISSANCE DE LA PRECIPITATION. ON MONTRE QUE LE TRANSFERT DE CHARGE ENTRE DEUX GOUTTES NE PEUT SE PRODUIRE LORSQUE LES GOUTTES REBONDISSENT SIMPLEMENT L'UNE CONTRE L'AUTRE ET QUE LE FILM D'AIR SEPARANT LES SURFACES N'EST PAS PERCE. LA DISSOCIATION QUI, EVENTUELLEMENT, SE PRODUIT APRES LE DEBUT D'UNE COALESCENCE DEPENDRA DE L'INERTIE RELATIVE DES DEUX MASSES D'EAU AVANT LA COLLISION. LE TRANSFERT DE CHARGE, LORSQU'IL SE PRODUIT EN-DESSOUS DU SEUIL D'ETINCELLE, SE FAIT PAR UN PONT D'EAU AVEC UNE CONSTANTE DE TEMPS SENSIBLEMENT EGALE A CELLE DU TEMPS DE RELAXATION DE LA MASSE D'EAU. LE TRANSFERT DE CHARGE PAR ETINCELLE DEPEND DE LA PRESENCE DE

GOUTTES SUFFISAMMENT GROSSES, DE CHARGES OU DE CHAMPS ELECTRIQUES
SUFFISAMMENT ELEVES POUR QUE L'AUGMENTATION DU CHAMP ENTRE LES SURFACES
PROCHES DES GOUTTES SOIT SUFFISANTES POUR QUE SOIT SURPASSE LE CHAMP
ELECTRIQUE CRITIQUE NECESSAIRE A LA RUPTURE DE LA RIGIDITE DIELECTRIQUE DE
L'AIR INTERMEDIAIRE

13/3,AB/1 (Item 1 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
(c) 2001 Inst for Sci Info. All rts. reserv.

03067854 Genuine Article#: NA660 Number of References: 15

**Title: MEASUREMENT OF TOTAL MERCURY IN BIOLOGICAL SPECIMENS BY COLD VAPOR
ATOMIC FLUORESCENCE SPECTROMETRY** (Abstract Available)

Author(s): WINFIELD SA; BOYD ND ; VIMY MJ; LORSCHIEDER FL

Corporate Source: UNIV CALGARY, FAC MED, DEPT MED PHYSIOL, 3330 HOSPDR
NW/CALGARY T2N 4N1/AB/CANADA/; UNIV CALGARY, FAC MED, DEPT MED
PHYSIOL/CALGARY T2N 4N1/AB/CANADA/; ALBERTA CHILDRENS PROV GEN
HOSP/CALGARY T2T 5C7/AB/CANADA/; UNIV CALGARY, FAC MED, DEPT
PATHOL/CALGARY T2N 4N1/AB/CANADA/; UNIV CALGARY, FAC MED, DEPT
MED/CALGARY T2N 4N1/AB/CANADA/

Journal: CLINICAL CHEMISTRY, 1994, V40, N2 (FEB), P206-210

ISSN: 0009-9147

Language: ENGLISH Document Type: ARTICLE

Abstract: An ultrasensitive method for determining total mercury concentrations in biological specimens is a prerequisite for monitoring exposure to chronic low-dose levels of Hg vapor such as those from dental silver amalgam fillings. The clinical consequences of such doses are currently in question. We describe an adaptation of a two-stage gold amalgamation preconcentration step combined with cold vapor atomic fluorescence spectrometric detection for Hg. At Hg concentrations of 40 and 350 nmol/L, the within-day assay CVs were 5% and 3%, respectively; between-day assay CVs were 8% and 5%, respectively. Accuracy, as demonstrated by analytical recovery, ranged from 98% to 105%. The detection limit for the assay is 50 pmol/L, which is suitable for measuring total Hg concentrations in specimens of human urine, blood, and breast milk, and in monkey kidney cortex and feces, obtained from subjects with and without amalgam fillings.

21/3,AB/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

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04027377 INSPEC Abstract Number: A9201-9260-051

Title: Lidar observation of the atmospheric boundary layer in Jerusalem

Author(s): Hashmonay, R.; Cohen, A. ; Dayan, U.

Author Affiliation: Dept. of Atmos. Sci., Hebrew Univ. of Jerusalem, Israel

Journal: Journal of Applied Meteorology vol.30, no.8 p.1228-36

Publication Date: Aug. 1991 Country of Publication: USA

CODEN: JAMOAX ISSN: 0894-8763

Language: English

Abstract: The temporal variation of the **atmospheric** boundary layer (ABL) over Jerusalem is accurately measured by means of a lidar **system**. The findings are explained and discussed based on the specific synoptic situation of typical summer days in the Middle East. The different behavior of the ABL near the seashore and inland is stressed. The measurement technique is also used to detect the entrainment zone and its development over Jerusalem.

Subfile: A

21/3,AB/2 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

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02447922 INSPEC Abstract Number: D85001326

Title: Electronic financial services: a battlefield for survival

Author(s): Cohen, A.M.

Journal: Magazine of Bank Administration vol.61, no.1 p.18-21

Publication Date: Jan. 1985 Country of Publication: USA

CODEN: MBAAA5 ISSN: 0024-9823

Language: English

Abstract: There is a need and a market for personal-**computer** -based products that support **financial** decision making, especially for core functions that include tracking cash flows, getting daily statements, transferring money, calculating investible funds and record keeping. There are profits to be made by banks through the volume sale of such products and their tie-in with traditional noncredit services. These products can be a means to protect a bank's regional franchise, to secure new business and to lock up existing business against increased competition. This situation presents both a golden opportunity and a serious threat to the regional banks. Regional banks need to incorporate high-tech banking services into their operations, or they will be in danger of losing their franchises to the larger banks. One way to learn how to excel in this marketplace, while maintaining options, is to start pilot ventures to develop and test new products. This will also help sort out and refine organization, procedures and marketing approaches.

Subfile: D

21/3,AB/3 (Item 3 from file: 2)

DIALOG(R)File 2:INSPEC

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01975610 INSPEC Abstract Number: A83009981

Title: A model simulation of the summer circulation from the eastern Mediterranean past Lake Kinneret in the Jordan Valley

Author(s): Alpert, P.; Cohen, A. ; Neumann, J.; Doron, E.

Author Affiliation: Hebrew Univ., Jerusalem, Israel

Journal: Monthly Weather Review vol.110, no.8 p.994-1006

Publication Date: Aug. 1982 Country of Publication: USA

CODEN: MWREAB ISSN: 0027-0644

Language: English

Abstract: A model is described for the representation and study of air flow from the eastern Mediterranean (on the west side of the model's domain) past Lake Kinneret in the Jordan Valley (about 210 m below MSL) and

beyond to the east (on the east side of the model) in the summer months. The primary purpose of the model is to improve our understanding of two striking features of the meteorology of the lake area in summer: (1) the almost daily development of strong winds and an associated storm on the lake in the afternoon, and (2) a nearly 50% drop in wind speed across the lake, from the western to the eastern shore, over a distance of only 10 km, again in the afternoon. The model is two-dimensional. It uses the sigma coordinate **system** and is thus hydrostatic. The horizontal grid distance is 4 km. It has 10 levels in the vertical, between the surface and the top at 750 mb. In the numerical scheme the authors apply Marchuk's splitting method; a numerical filter is applied in the horizontal which suppresses short waves but leaves the long waves relatively unaffected.

Subfile: A

21/3,AB/4 (Item 4 from file: 2)

DIALOG(R)File 2:INSPEC

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01008730 INSPEC Abstract Number: A77009515, B77007887

Title: Atmospheric temperature profiles from lidar measurements of rotational Raman and elastic scattering

Author(s): Cohen, A. ; Cooney, J.A.; Geller, K.N.

Author Affiliation: Dept. of Phys., Drexel Univ., Philadelphia, PA, USA

Journal: Applied Optics vol.15, no.11 p.2896-901

Publication Date: Nov. 1976 Country of Publication: USA

CODEN: APOPAI ISSN: 0003-6935

Language: English

Abstract: Rotational Raman scattering from **atmospheric** O/sub 2/ and N/sub 2/ is used to obtain **atmospheric** temperature profiles. Signals at two Raman wavelengths and from the elastically scattered radiation are recorded simultaneously with a three-channel **system**. This three-channel **system** has a much better SNR than a previously reported two-channel version. Optimization of performance in a statistically limited **system** is discussed theoretically. Analysis is applied to a single component **atmosphere** and then extended to the real **atmosphere** assuming Gaussian functions for the transmission response of the filters. Errors are evaluated.

Subfile: A B

21/3,AB/5 (Item 5 from file: 2)

DIALOG(R)File 2:INSPEC

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00816241 INSPEC Abstract Number: A75073986

Title: Laser-radar polarization measurements of the lower stratospheric aerosol layer over Jerusalem

Author(s): Cohen, A. ; Graber, M.

Author Affiliation: Dept. of Atmospheric Sci., Hebrew Univ. of Jerusalem, Jerusalem, Israel

Journal: Journal of Applied Meteorology vol.14, no.3 p.400-6

Publication Date: April 1975 Country of Publication: USA

CODEN: JAMOAX ISSN: 0021-8952

Language: English

Abstract: The laser-radar **system**, consisting of a ruby laser as the emitter, has been used to map the aerosol layer centered at 20 km. Scattering measurements were made in two polarizations. Changes as a function of time in the number density were detected by use of an analysis method which required no assumption on the air density profile. Regular measurements of the stratospheric aerosol profile are being carried out in order to detect future concentration variations due to volcanic eruptions or other possible dust sources. The profile describes the altitude dependence of the aerosol concentrations between 7.5-22.5 km.

Subfile: A B

21/3,AB/6 (Item 6 from file: 2)

DIALOG(R) File 2:INSPEC

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00533522 INSPEC Abstract Number: A73047483

Title: Application of Backus-Gilbert inversion technique to determination of aerosol size distributions from optical scattering measurements

Author(s): Westwater, E.R.; Cohen, A.

Author Affiliation: NOAA, Boulder, CO, USA

Journal: Applied Optics vol.12, no.6 p.1340-8

Publication Date: June 1973 Country of Publication: USA

CODEN: APOPAI ISSN: 0003-6935

Language: English

Abstract: The inversion technique of Backus and Gilbert is applied to the determination of size distributions of spherical particles from optical scattering measurements. The spatial resolution inherent in a set of multiwavelength measurements is studied as a function of number of measurements, measurement noise level, and radius. The inversion technique is then applied to **computer** simulated intensity data to recover size distributions. These examples indicate that the distribution can be recovered at selected points without using a priori assumptions about the shape of the distribution.

Subfile: A

21/3,AB/7 (Item 7 from file: 2)

DIALOG(R) File 2:INSPEC

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00431276 INSPEC Abstract Number: A72065767

Title: Climatic effects of aerosol layers in relation to solar radiation

Author(s): Neumann, J.; Cohen, A.

Author Affiliation: Hebrew Univ., Jerusalem, Israel

Journal: Journal of Applied Meteorology vol.11, no.4 p.651-57

Publication Date: June 1972 Country of Publication: USA

CODEN: JAMOAX ISSN: 0021-8952

Language: English

Abstract: The effect of the introduction of one or two layers of particulate matter on the heating by direct solar radiation of the earth surface- **atmosphere system** is calculated for a cloudless sky. It is found for a fairly wide range of absorption and backscatter coefficients of the particles with respect to direct solar radiation that when there is but one particle layer, either near the surface or in the lower stratosphere, the combined **system** is cooled; the **atmosphere** is heated (for a finite absorption) but this heating is offset by the greater cooling of the surface. If there are two layers of particles, one near the surface and the other in the lower stratosphere, and it is assumed that both layers have the same optical characteristics with regard to solar radiation, then the earth surface- **atmosphere system** may actually gain heat provided that the absorption coefficient of the particle layers is fairly large with respect to the backscatter coefficient. Using the equations of the model it is estimated that the layer of particles injected into the lower stratosphere by the 1963 Mt. Agung eruption absorbed and backscattered a total of about 6% of the solar radiation reaching the lower stratosphere.

Subfile: A

21/3,AB/8 (Item 1 from file: 108)

DIALOG(R) File 108:AEROSPACE DATABASE

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01790866 A89-20657

Mars Rover Sample Return mission delivery and return challenges

COHEN, AARON (NASA, Johnson Space Center, Houston, TX)

National Aeronautics and Space Administration. Lyndon B. Johnson Space Center, Houston, TX.

CORPORATE CODE: ND185000

AIAA and NASA, International Symposium on Space Automation and Robotics, 1st, Arlington, VA, Nov. 29, 30, 1988. 8 p.

Nov. 1988

REPORT NO.: AIAA PAPER 88-5007

The Mars Rover Sample Return mission is a robotic exploration mission culminating in the return of **atmospheric** and surface samples from Mars to Earth. To accomplish this complex mission requires sophisticated autonomous **systems** for many time-critical operations associated with the **delivery** and return phases, since the round trip light times preclude Earth-based control of these operations. In addition, there are significant engineering and technology challenges to be addressed to meet the mission science and exploration objectives (Author)

21/3,AB/9 (Item 1 from file: 8)

DIALOG(R)File 8:Ei Compendex(R)

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04525038

E.I. No: EIP96103362704

Title: Factors predicting emergency room utilization in a 70-year-old population

Author: Ginsberg, Gary; Israeli, Avi; **Cohen, Aaron** ; Stessman, Jochanan

Corporate Source: Hadassah Univ Hospital, Jerusalem, Isr

Source: Israel Journal of Medical Sciences v 32 n 8 Aug 1996. p 649-664

Publication Year: 1996

CODEN: IJMDAI ISSN: 0021-2180

Language: English

Abstract: Emergency room (ER) utilization in a representative sample (n equals 605) of 70-year-old Jerusalem residents was investigated using multiple and logistic regression techniques. Around 23% of the study population visited an ER during the pre-interview year. Problems associated with ER use were heart diseases (mainly ischemic), asthma, renal disorders, psychiatric problems, headaches, and nocturia. Also associated with increased ER use were prior hospital admissions, taking sleeping pills, driving a car, distance from one's general practitioner, and low self-assessed health status. The availability of help from children increased ER use, possibly by sharing in the decision-making process or by helping with post-visit **financial** bureaucracy. Persons with cognitive problems had decreased ER use, possibly due to their inability to cope with the related complex decision-making process. The inclusion of interaction terms improved the models fit, in keeping with the general philosophy of geriatric care which often deals with cases presenting multiple diagnoses in addition to various social problems. Information on key variables identified as predictors of ER use in order to predict ER use as a basis for budget allocation to specific sick funds, was collected by means of a postal questionnaire or by phone. (Author abstract) 104 Refs.

21/3,AB/10 (Item 2 from file: 8)

DIALOG(R)File 8:Ei Compendex(R)

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03465476

E.I. Monthly No: EI9208104506

Title: Determination of SQ 33,600, a phosphinic acid containing HMG CoA reductase inhibitor, in human serum by high-performance liquid chromatography combined with ionspray mass spectrometry.

Author: Wang-Iverson, David; Arnold, Mark E.; Jemal, Mohammed; **Cohen, Allen I.**

Corporate Source: Bristol-Myers Squibb Pharmaceutical Research Inst, New Brunswick, NJ, USA

Source: Biological Mass Spectrometry v 21 n 4 Apr 1992 p 189-194

Publication Year: 1992

CODEN: BIMSEH ISSN: 1052-9306

Language: English

Abstract: A method for the determination of SQ 33,600 in human serum is presented. This compound, which contains both carboxylic and phosphinic acid functional groups, is an HMG CoA reductase inhibitor currently under clinical investigation at the Bristol-Myers Squibb Pharmaceutical Research

Institute. Human serum extracts prepared using solid-phase techniques were analyzed by combining high-performance liquid chromatography and **atmospheric** pressure ionization mass spectrometry. Under the conditions of the analysis, SQ 33,600 and its fluorinated analog, SQ 33,547, used as the internal standard, existed as anions in solution and could be sampled directly using the ionspray technique. The method utilized a simple isocratic mobile-phase **system**. No sample derivatization was required for these polar molecules. The retention time of the analytes was 3.5 min with a total analysis time of 5 min. The limit of detection was 0.5 ng ml** minus **1 serum with a minimum quantifiable limit of 2.0 ng ml** minus **1. The method was linear to at least 400 ng ml** minus **1. (Author abstract) 18 Refs.

21/3,AB/11 (Item 3 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)
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00847560

E.I. Monthly No: EI7909070474

E.I. Yearly No: EI79044734

Title: PROCESS HOT WATER FOR TEXTILES.

Author: Trice, J. B.; Cohen, A. D.

Corporate Source: GE, King of Prussia, Pa

Source: Sunworld v 3 n 2 1979 p 50-53

Publication Year: 1979

CODEN: SUNWDW

Language: ENGLISH

Abstract: An economic analysis has been made of the first demonstration of solar process hot water in the textile industry. This solar **system** for heating dye water, designed at General Electric and put into operation at a textile plant in South Carolina, is evaluated. The specific process that was solarized is **atmospheric**, batch fabric-dyeing, which requires a maximum temperature of 88 DEGREE C. A schematic of the solar hot-water **system** is shown. The solar **system** is comprised of three independent circulating loops that are connected thermally by means of heat exchangers.

21/3,AB/12 (Item 1 from file: 35)
DIALOG(R)File 35:Dissertation Abstracts Online
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01501304 AAD9627482

REACTION PATHS OF HYDROGEN ON PALLADIUM (EMBEDDING POTENTIALS)

Author: COHEN, ALEXANDER P.

Degree: PH.D.

Year: 1995

Corporate Source/Institution: UNIVERSITY OF KANSAS (0099)

Source: VOLUME 57/04-B OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 2628. 93 PAGES

Palladium is known to interact strongly with hydrogen, absorbing many times its volume of hydrogen at **atmospheric** pressure. We examine the interaction of hydrogen absorption from gas to diffusion of the individual atoms. We take the embedded potential developed by Daw and Baske (1983) and extended the function to include hydrogen molecules by adding a switching function from Daw's potential inside the metal to the Morse potential for hydrogen atoms outside of the metal. We compare our new embedding potential with known results, finding a lattice constant of 3.91 A, bulk constant of 1.98 dyne/cm², sublimation energy of 3.91 eV., vacancy energy of 1.4 eV and a surface energy of 1266 erg/cm². Also a comparison to the palladium surface layer expansion is made between our value of 4.52% and Ting's (Ting, Qingliang, and Yiying, 1988) 4.94%. Hydrogen site energies were found to be 2.938 eV, 2.849 eV, 2.502 eV and 2.544 eV for the hollow, bridge, top and bulk octahedral sites respectively.

We also develop a new method to calculate the reaction paths by optimization of a given path. With this method, reaction paths for diffusion of hydrogen atoms were investigated, finding that hopping of a

hydrogen atom across the surface is the fastest diffusion mode, but that the surface diffusion can be blocked by an already occupied surface site. Barriers for the surface diffusion of 0.107 eV is compared to the bulk diffusion barrier of 0.252 eV. Other less well known paths of subsurface diffusion and blocking of surface hopping are shown with barriers of 0.130 eV and 0.512 eV respectively.

Molecular absorption is shown from a symmetric and unsymmetric case. The unsymmetric case shows unequal movement for the two atoms of hydrogen in the molecule suggestive of vibrational and rotational excitation for the emitted hydrogen molecule. Both cases show very small reaction barriers, limiting the usefulness of transition states. Finally a new result is suggested for a dependence of the hydrogen binding energy on surface filling.

21/3,AB/13 (Item 1 from file: 103)

DIALOG(R)File 103:Energy SciTec

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03812861 CLG-95-040403; EDB-95-056629

Title: The MINK Project: a new methodology for identifying regional influences of and responses to increasing atmospheric CO₂ and climate change

Author(s): Rosenberg, N.J.; Crosson, P.R. (Resources for the Future, Washington, DC (United States))

Title: Regional implications of future climate change

Author(s)/Editor(s): Graber, M.; Cohen, A. ; Magaritz, M. (eds

Corporate Source: No corporate text available

Conference Title: International workshop on regional implications of future climate change

Conference Location: Rehovot (Israel) Conference Date: 28 Apr - 2 May 1991

Publisher: Jerusalem (Israel) Israel Academy of Sciences and Humanities

Publication Date: Sep 1993 p 121-138 (324 p)

Report Number(s): CONF-9104437--

ISBN: 965-208-106-X

Language: English

Abstract: The development of a methodology of climate change impact assessment is reported. Four adjacent states in the central United States - Missouri, Iowa, Nebraska and Kansas (the 'MINK' region) were chosen for study. A number of models were used to evaluate impacts on the individual sectors of the region's economy (crop production, forests, energy). 15 refs., 1 fig.

21/3,AB/14 (Item 2 from file: 103)

DIALOG(R)File 103:Energy SciTec

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03295560 EDB-92-058317

Title: Least-cost doing: Lessons from the New England Collaborative

Author(s): Cohen, A. ; Chaisson, J

Title: ACEEE 1990 summer study on energy efficiency in buildings: Proceedings. Volume 5, Integrated resource planning

Conference Title: 6. American Council for an Energy-Efficient Economy (ACEEE) summer study on energy efficiency in buildings

Conference Location: Pacific Grove, CA (United States) Conference Date: 26 Aug - 1 Sep 1990

Publisher: Washington, DC (US) American Council for an Energy-Efficient Economy

Publication Date: 1990 p 5.29-5.33 (286 p)

Report Number(s): CONF-900833-Vol.5

Language: In English

Abstract: On the threshold of the 1990's, energy efficiency is at the top of the national agenda - increasingly for environmental as well as economic and energy security reasons. In the realm of regulated utilities, this interest has fallen under the more general umbrella of least cost planning. Countless utility commissions in the US have

exhorted their jurisdictional utilities to integrate energy efficiency investments into their supply portfolio. Numerous power plant siting battles are being fought over the issue of whether this agenda has been sufficiently accomplished. As a consequence, analysts for the industry and for intervenors have been inordinately busy for the better part of the last decade generating **computer** scenarios of technical energy efficiency potential within various utility service territories. While the **computers** whirl on, however, astonishingly little has happened in the field. The electric and gas industry has spent a negligible fraction of its annual revenues on energy efficiency investment, while spending hundreds of times more on new power plants and transmission facilities. True, in the early to mid-1980's there were several large scale pilot efficiency rebate programs in the Pacific Northwest and California - but they were substantially scaled back in the latter part of the decade. Until recently, utilities have not embarked upon major, sustained, direct capital investment in end use efficiency in a manner sufficient to establish the real efficiency potential. This paper relates the efforts of the Connecticut Light and Power utility to work with conservation activists to design and monitor energy efficiency and conservation programs. This program then spread to other New England utilities.

21/3,AB/15 (Item 3 from file: 103)
DIALOG(R)File 103:Energy SciTec
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00759106 EDB-81-067366

Title: Economic aspects of solar energy for industrial process heat

Author(s): Cohen, A.D. ; McCarthy, R.L.; Trice, J.B

Affiliation: General Electric Co., King of Prussia, PA

Conference Title: American section of the International Solar Energy Society conference

Conference Location: Phoenix, AZ, USA Conference Date: 2 Jun 1980

Source: Proc. Annu. Meet. - Am. Sect. Int. Sol. Energy Soc. (United States) v 3.2. Coden: PMSID

Publication Date: 1980 p 1291-1293

Report Number(s): CONF-800604-P3

Language: English

Abstract: Energy requirements for industrial process heat (IPH) represent a high percentage of the national demand for oil and natural gas. Although solar IPH **systems** have the potential for significant industrial energy savings, current costs to the user of installed solar plants will not meet the normal investment criteria of industrial firms. Most companies using process heat predicate the application of new and improved **systems** on the attainment of 2 to 4 years payback time on the investment. In order to achieve the payback, substantial improvements in solar **system** technology and costs must be obtained. In addition, more favorable tax regulations and incentives must be implemented if we are to hasten the use of solar energy. The key factors which must be considered for solar IPH applications are outlined. Included in these factors are **system** performance, land availability and cost, integrated solar plant/building **systems** design, taxation effects, and installed cost of the solar **system**. Cost goals are presented for solar IPH **systems** with varying levels of Federal tax incentives and a comparison of projected **system** costs shows solar **systems** to be cost competitive by the mid-1980's.

21/3,AB/16 (Item 4 from file: 103)
DIALOG(R)File 103:Energy SciTec
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00733409 EDB-81-041664

Title: Toxicology of ammonium sulfate in the lung

Author(s): Pepelko, W.E.; Mattox, J.K.; Cohen, A.L.

Affiliation: Environmental Protection Agency, Cincinnati, OH

Source: Bull. Environ. Contam. Toxicol. (United States) v 24:1. Coden:

BECTA

Publication Date: Jan 1980 p 156-160

Language: English

Abstract: Despite the relatively low toxicity of ammonium sulfate in experimental animals, it cannot be concluded that increased sulfuric acid production is harmless to human health. Many other pollutants are present in ambient air with possible synergistic effects. Sulfuric acid undoubtedly reacts to produce other sulfates in ambient air which are often much more toxic. For example zinc sulfate and zinc ammonium sulfate are much more irritating to the lung than ammonium sulfate. In order to assess with more certainty the health effects of increased sulfuric acid production, it will be necessary to determine accurately that proportion inhaled as free sulfuric acid compared with ammonium sulfate as well as the proportion and kinds of other sulfates present in the **atmosphere** .

21/3,AB/17 (Item 5 from file: 103)

DIALOG(R)File 103:Energy SciTec

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00576157 ERA-05-008346; EDB-80-015679

Title: Commercialization aspects of solar process hot water systems for the textile industry

Author(s): Trice, J.B.; Cohen, A.D.

Affiliation: General Electric Co., King of Prussia, PA

Title: Solar industrial process heat conference. Proceedings: Volume I

Conference Title: Solar industry heating procen conference

Conference Location: Denver, CO, USA Conference Date: 18 Oct 1978

Publication Date: 1978 p 25-37

Report Number(s): SERI/TP-49-065; CONF-781015-(Vol.1)

Language: English

Abstract: A solar hot water process heat application for a textile plant located in LaFrance, South Carolina. The **system** was put into operation in June 1978 and is currently being evaluated. Using cost and performance data from the LaFrance project, an economic analysis has been made to determine the factors required to meet acceptable industry standards for payback periods which are typically 5 years or less in the textile industry. With favorable government tax incentives, solar process hot water **systems** begin to be competitive with conventional **systems** in certain parts of the country in the near future. A list of requirements for a program to accelerate development and commercialization of the solar **system** has been prepared. Suggestions for a proposed program have been outlined, based upon the requirements.

21/3,AB/18 (Item 1 from file: 65)

DIALOG(R)File 65:Inside Conferences

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01392181 INSIDE CONFERENCE ITEM ID: CN013811888

Function-Based Methodology for Building a Simulation Model of a Satellite ATM Based Interconnection System

Cohen, A. ; Maimo, A.; Mrabet, R.

CONFERENCE: Communication networks modeling and simulation-Conference

SIMULATION SERIES, 1996; VOL 28; NUMBER 1 P: 221-226

The Society, 1996

ISSN: 0735-9276

LANGUAGE: English DOCUMENT TYPE: Conference Papers

CONFERENCE EDITOR(S): Place, J.; Fitzgerald, S.

CONFERENCE SPONSOR: The Society for Computer Simulation

CONFERENCE LOCATION: San Diego, CA

CONFERENCE DATE: Jan 1996 (19960) (19960)

NOTE:

Held as part of the Western multiconference

21/3,AB/19 (Item 1 from file: 6)

DIALOG(R)File 6:NTIS
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1455226 NTIS Accession Number: PB89-204242

Electric Power from Sugarcane in Costa Rica. A Technical and Economic Analysis

Tugwell, F. ; Gowen, M. ; Kenda, W. ; Cohen, A.

TEM Associates, Inc., Berkeley, CA.

Corp. Source Codes: 081035000;

Sponsor: Tennessee Valley Authority, Chattanooga.; Agency for International Development, Washington, DC. Office of Energy.

Report No.: AID-PN-ABB-444

Jul 88 150p

Languages: English

Journal Announcement: GRAI8920

Also pub. as Agency for International Development, Washington, DC. Office of Energy rept. no. REPT-88-18. Prepared in cooperation with Tennessee Valley Authority, Chattanooga. Sponsored by Agency for International Development, Washington, DC. Office of Energy.

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NTIS Prices: PC A07/MF A01

A team of specialists visited Costa Rica in May 1988 to analyze the potential for production and sale of electricity by the sugarcane industry. Focusing on three sugar mills, the team made technical projections at four levels of investment, ranging from the simplest sale of surplus power to the installation of new turbogenerator systems. For each level, capital costs, electricity production and sales, and fuel options were estimated. Associated risks were assessed through sensitivity analyses to demonstrate the possible impacts of varying interest rates, fuel costs, and electricity sales prices. The team concluded that production and sale of electricity for the national grid could be an excellent investment opportunity for the sugar industry and would provide important economic benefits, including creation of additional jobs in rural areas, diversification of the sugar industry, and (in the short term) displacement of the need for imported fuels.

21/3,AB/20 (Item 2 from file: 6)

DIALOG(R)File 6:NTIS

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0910984 NTIS Accession Number: HRP-0903293/9/XAB

Louisiana Site Visit Report: Certificate of Need Evaluation Working Paper No. 13

Cohodes, D. ; Cohen, A.

Urban Systems Research and Engineering, Inc., Cambridge, MA.

Corp. Source Codes: 061064000

Sponsor: Bureau of Health Planning and Resources Development, Hyattsville, MD.

Feb 79 25p

Languages: English

Journal Announcement: GRAI8123

Prepared in cooperation with Policy Analysis, Inc., Brookline, MA. See also HRP-0903294.

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NTIS Prices: PC A02/MF A01

Louisiana is a state which has moved slowly and reluctantly into the regulatory arena. In health care, the regulation of hospital capital expenditures began in 1973 with the signing of a Section 1122 agreement with the federal government. The introduction of this program, in effect, set the stage for the current debate over the passage of a Certificate of Need (C/N) statute. The reasons why Louisiana has not enacted a C/N statute

are complex and no single one stands out. Over the last four years a number of attempts to pass a C/N law were initiated. All of these attempts failed.

21/3,AB/21 (Item 3 from file: 6)
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0910983 NTIS Accession Number: HRP-0903292/1/XAB

Wisconsin Site Visit Report: Certificate of Need Evaluation Working Paper No. 12

Cohen, A. ; Chin, M.
Urban Systems Research and Engineering, Inc., Cambridge, MA.
Corp. Source Codes: 061064000
Sponsor: Bureau of Health Planning and Resources Development,
Hyattsville, MD.
Nov 78 74p
Languages: English
Journal Announcement: GRAI8123
Prepared in cooperation with Policy Analysis, Inc., Brookline, MA. See also HRP-0903293.

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NTIS Prices: PC A04/MF A01

Wisconsin has traditionally been considered a socially progressive State. Although Wisconsin likely earned this label because of the number of liberal-minded political leaders who have marked the State's history, one could argue that it also applies to the broad array of State sponsored programs and services offered to its residents. Health and social programs generally have been prominent among these initiatives. Within the past decade, though, growing concern over rising health care costs and the increasing burden shouldered by State government has triggered a movement toward increased regulation of the health care industry. Chief among the early efforts intended to cope with this problem were the creation of the Wisconsin Hospital Rate Review Program in 1972 and the establishment of a Section 1122 capital expenditure review program in 1973. The latter effort may be regarded as the forerunner of Wisconsin's current Certificate of Need (C/N) program.

21/3,AB/22 (Item 4 from file: 6)
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0910982 NTIS Accession Number: HRP-0903291/3/XAB

Washington Site Visit Report: Certificate of Need Evaluation Working Paper No. 11

Pardini, A. ; Cohen, A.
Urban Systems Research and Engineering, Inc., Cambridge, MA.
Corp. Source Codes: 061064000
Sponsor: Bureau of Health Planning and Resources Development,
Hyattsville, MD.
May 79 66p
Languages: English
Journal Announcement: GRAI8123
Prepared in cooperation with Policy Analysis, Inc., Brookline, MA. See also HRP-0903292.

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NTIS Prices: PC A04/MF A01

Washington enacted its Certificate of Need statute in 1971 in an attempt to strengthen the comprehensive health planning process in the state. A broad based coalition of providers, regulators, planners and legislators worked closely to develop the legislation. Despite its relatively early

commitment to capital expenditure regulation, the impact of C/N on hospital and nursing home investment behavior and upon the configuration of institutional health services resources appears to have been negligible. The nature and extent of the program's impact on capitalization in the health sector is a consequence of a number of factors intrinsic to the program and a product of the environment within which it operates.

21/3,AB/23 (Item 5 from file: 6)

DIALOG(R) File 6:NTIS

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0910981 NTIS Accession Number: HRP-0903290/5/XAB

Texas Site Visit Report: Certificate of Need Evaluation Working Paper No.

10

Cohen, A. ; Pardini, A.

Urban Systems Research and Engineering, Inc., Cambridge, MA.

Corp. Source Codes: 061064000

Sponsor: Bureau of Health Planning and Resources Development,
Hyattsville, MD.

Apr 79 54p

Languages: English

Journal Announcement: GRAI8123

Prepared in cooperation with Policy Analysis, Inc., Brookline, MA. See also HRP-0903291.

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NTIS Prices: PC A04/MF A01

The issue of Certificate of Need (C/N) was first raised in Texas during the 1971 biennial session of the state legislature. Although a few legislators viewed C/N as a means of controlling rising health care costs, the prime motivating factor for introduction of a bill was the desire of the Texas Hospital Association (THA) to eliminate unnecessary duplication of facilities. THA sponsorship of C/N can be attributed to a concern over the rapid, uncontrolled proliferation of acute care facilities and beds, and the effect of this growth on access to and quality of care. A number of program observers have suggested that the underlying incentive for THA sponsorship of C/N was the perceived potential for industry control over new entry into an already-saturated hospital market. The design, implementation and record of C/N in Texas is consistent with both of these observations regarding the origins of the program.

21/3,AB/24 (Item 6 from file: 6)

DIALOG(R) File 6:NTIS

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0908593 NTIS Accession Number: HRP-0903284/8/XAB

Massachusetts Site Visit Report: Certificate of Need Evaluation Working Paper No. 4

Cohodes, D. ; Cohen, A. ; Pardini, A. ; Chin, M.

Urban Systems Research and Engineering, Inc., Cambridge, MA.

Corp. Source Codes: 061064000

Sponsor: Bureau of Health Planning and Resources Development,
Hyattsville, MD.

Oct 78 62p

Languages: English

Journal Announcement: GRAI8122

Prepared in cooperation with Policy Analysis, Inc., Brookline, MA. See also HRP-0903285.

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NTIS Prices: PC A04/MF A01

Massachusetts' DON program has been in the forefront of all C/N programs

since its beginnings in 1974. The program has a reputation for toughness, seemingly verified by all interviewed observers. Most recently, 7/11/77 to 3/78, 81 applications were acted upon, 67 were approved (83%) and 14 were denied (17%). A more detailed breakdown of the 1972-76 DON decisions for acute-care hospitals is included in the report. According to the staff of the DON agency, the 'savings' from the program total \$2.9 billion (assuming that denied and withdrawn projects would otherwise have been built and operated over a standard 40 year life as planned).

21/3,AB/25 (Item 7 from file: 6)
DIALOG(R)File 6:NTIS
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0749589 NTIS Accession Number: PB-290 657/6/XAB

Emission Density Zoning Guidebook. A Technical Guide to Maintaining Air Quality Standards Through Land-Use-Based Emission Limits

(Final rept)

Kron, N. F. ; Cohen, A. S. ; Mele, L. M.

Argonne National Lab., IL. Energy and Environmental Systems Div.

Sponsor: Environmental Protection Agency, Research Triangle Park, NC.

Report No.: EPA/450/3-78/048

Sep 78 322p

Languages: English

Journal Announcement: GRAI7911

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NTIS Prices: PC A14/MF A01

An emission density zoning (EDZ) regulation is an air pollution control strategy that is similar to traditional land use zoning (which controls development density in particular areas) in that EDZ controls air pollution by setting emission density limits (EDLs) for certain areas of land. EDLs restrict the rate of pollutant emission per unit area (such as grams per second per hectare). This document is step-by-step procedural guide designed to help regional planning and air pollution control agencies set EDLs for sulfur dioxide and particulate matter within a metropolitan area. The EDLs, set through the use of a **computer** -assisted dispersion model and linear programming package, ensure the attainment and maintenance of the National Ambient Air Quality Standards and compliance with Prevention of Significant Deterioration regulations. Difficult concepts are explained in appendices to the guidebook.

21/3,AB/26 (Item 8 from file: 6)
DIALOG(R)File 6:NTIS
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0699623 NTIS Accession Number: ANL-IIPP-2/XAB

Evaluation of Emission Control Strategies for Sulfur Dioxide and Particulates in the Chicago Metropolitan Air Quality Control Region

Norco, J. E. ; Snider, M. A. ; Roberts, J. J. ; Croke, K. G. ; Cohen, A. S.

Argonne National Lab., Ill.

Corp. Source Codes: 0448000

Sponsor: Department of Energy.

Dec 70 227p

Journal Announcement: GRAI7816; NSA0300

Portions of document are illegible.

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NTIS Prices: MF A01

This report documents all aspects of the analyses of long-range regulations for control of SO sub 2 and particulates in the Chicago Metropolitan Air Quality Control Region: dispersion model, strategy model,

emission inventory, present regional air quality, a compendium of possible control regulations for SO sub 2 and particulates, and extensive calculational results. The application of the Air Quality Display Model (AQDM), a **computer** program designed to estimate the spacial distribution of sulfur dioxide and particulate concentrations, is described. The AQDM, which is derived from the Martin-Tikvart (1968) diffusion model, is based on the Gaussian-diffusion equation which describes the spreading, or diffusing, of a plume as it is transported downwind from an elevated, continuously emitting point source. The model is utilized here to compute annual, arithmetic-, and geometric-mean ground-level pollutant concentrations resulting from specified point and area sources. The model calculates the effects of each source on each receptor for the observed combinations of wind direction, wind speed, and stability class. The relative frequency of occurrence for each combination is then included as a factor, and the resulting data are summed for each receptor over all combinations and all sources. (ERA citation 03:029317)

21/3,AB/27 (Item 9 from file: 6)
DIALOG(R)File 6:NTIS
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0412706 NTIS Accession Number: AD-769 715/4/XAB

Explosive Reaction of Acetaldehyde with Oxygen

Cohen, A.

Ballistic Research Labs Aberdeen Proving Ground Md

Corp. Source Codes: 050750

Report No.: BRL-1673

Sep 73 28p

Journal Announcement: GRAI7401

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NTIS Prices: PC A03/MF A01

A shock tube investigation of the explosive reaction of acetaldehyde with oxygen at temperatures between 1200-1800K and pressures between 1-5 **atmospheres** has been performed using mixtures with equivalence ratios of 1, .98 and .42. Shock conditions were adjusted so that explosions occurred only in the reflected shock region. Explosion delays were measured by means of a schlieren **system** and a fast response piezoelectric gage. The temperature and concentration dependence of the delays were compared with predictions based on a kinetic mechanism established at lower temperatures and pressures and under isothermal conditions. By including a unimolecular initiation step, good agreement was attained. The inverse of the delay times have a 3/2 order dependence on acetaldehyde and less than 1/2 dependence on oxygen. The amount of energy released during the delay period is less than 20% of the heat of combustion. The global rate constant for the rate of energy production is given. (Modified author abstract)

21/3,AB/28 (Item 10 from file: 6)
DIALOG(R)File 6:NTIS
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0359874 NTIS Accession Number: COM-72-51061-23/XAB

Atmospheric Remote Sensing with Laser Radar

Strauch, R. G. ; Cohen, A.

National Oceanic and Atmospheric Administration, Boulder, Colo. Wave Propagation Lab.

Corp. Source Codes: 406292

Report No.: NOAA-72091642-23

1972 36p

Document Type: Journal article

Journal Announcement: GRAI7303

Included in Remote Sensing of the Troposphere, p23-1--23-35, COM-72-51061.

NTIS Prices: (Order as COM-72-51061)

The report discusses the methods used in laser radar probing of the **atmosphere**. The **systems** equations used in computing signals and noise are presented and results of Raman, Rayleigh, and Mie scattering experiments are used to illustrate how laser radars can contribute to remote sensing of the **atmosphere**. (Author)

21/3,AB/29 (Item 11 from file: 6)

DIALOG(R) File 6:NTIS

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0351997 NTIS Accession Number: COM-72-11427/XAB

Application of Laser Techniques to Investigation of Clouds and Particles in the Atmosphere

(Final rept. 1 Sep 70-31 Aug 71)

Neuman, J. ; Low, W. ; Cohen, A. ; Goldwater, F.

Hebrew Univ., Jerusalem (Israel). Dept. of Meteorology.

Corp. Source Codes: 165453

Report No.: CONTRIB-71-12; NOAA-72091644

Sep 71 60p

Journal Announcement: GRAI7301

See also COM-72-11468.

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NTIS Prices: PC A04/MF A01

The report contains three sections dealing with various problems of light scattering, in the Mie region, and in the **atmosphere**. The first reports on the effect of the introduction on one or two layers of particulate matter on the heating by direct solar radiation of the Earth surface-**atmosphere system**. A method for determining the size spectrum of spherical particles by light scattering is suggested in the second section. This method does not require any a-priori assumptions on the size spectrum function, or number density. The last section deals with the depolarization of the lidar pulses caused by double scattering from water droplets in the cloud. The theoretical depolarization values are compared with the experimental values obtained by the Hebrew University, Dept. of Meteorology lidar **system**. (Author)

21/3,AB/30 (Item 12 from file: 6)

DIALOG(R) File 6:NTIS

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0314701 NTIS Accession Number: N72-14641/XAB

Use of the Negative Binomial-Truncated Poisson Distribution in Thunderstorm Prediction

Cohen, A. C.

Georgia Univ., Athens. Dept. of Physics.

Report No.: NASA-CR-61370

Dec 71 18p

Journal Announcement: GRAI7209; STAR1005

Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.

NTIS Prices: PC A02/MF A01

No abstract available.

21/3,AB/31 (Item 13 from file: 6)

DIALOG(R) File 6:NTIS

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0071998 NTIS Accession Number: PB-168 092/XAB

Studies in the Synoptic Uses of Meteorological Satellite Data

(Rept. for Mar 64-Feb 65)

Neumann, J. ; Cohen, A. ; Jaffe, S. ; Levi, W. M. ; Tokatly, J. L.
Hebrew Univ., Jerusalem (Israel). Dept. of Meteorology.

Corp. Source Codes: 165453

1965 85p

Journal Announcement: USGRDR6401

Prepared in cooperation with Israel Ministry of Transport and Communications, Meteorological Service.

Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.

NTIS Prices: PC A05/MF A01

The general area of the Mediterranean and the Middle East includes extensive sea and desert areas where the density of reporting stations is extremely small. The synoptic maps prepared on the basis of conventional meteorological data are reexamined in the light of the additional information presented by both the Tiros photographs and radiation data (8 - 12 microns) where of all the orbits studied, the results of 14 such orbits are described. It is found that the Tiros data are of considerable use in supplementing existing synoptic data even where the reporting network of stations is not sparse. This is due to the fact that the satellite offers an overall and 'continuous' picture of cloud **systems**. Moreover, the satellite data are particularly important for areas where there are but few stations or no stations at all.

21/3,AB/32 (Item 1 from file: 144)

DIALOG(R) File 144:Pascal

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12865391 PASCAL No.: 97-0124418

Estimation of emission rates from non-homogeneous fugitive sources using open-path FTIR and inversion techniques

Optical remote sensing for environmental and process monitoring : San Francisco CA, September 25-27, 1995

HASHMONAY R A; MAMANE Y; BENAYAHU Y; COHEN A

Environmental and Water Resources Engineering, Technion City, Haifa, Israel; Electro-Optical Systems, Rafael, Haifa, Israel; Department of Atmospheric Sciences, Hebrew University, Jerusalem, Israel

International Society for Optical Engineering, Bellingham WA, United States.; Air & Waste Management Association, United States.

International symposium on optical sensing for environmental and process monitoring, 4 (San Francisco CA USA) 1995-09-25

Journal: SPIE proceedings series, 1996, 2883 379-392

Language: English

A detailed new methodology is presented to address non-homogeneous fugitive sources. The methodology involves a unique configuration, in which the main measurement path of the Open-Path FTIR **system**, located downwind from the source, is divided into several secondary paths. The division can be made by retroreflectors or small black bodies that are situated along the main measurement path, not necessarily in equal distances from each other. An inversion technique is suggested, using plume dispersion modeling techniques, to reconstruct the emission rates distribution from different sections of the fugitive source. Preliminary calculations coupled with dispersion modeling are used to determine the optimal configuration of the OP-FTIR measurements, under different meteorological conditions. Error magnification, due to inversion procedures, are analyzed to better define the appropriate measurement parameters. The error magnification analysis shows that the methodology can be applied in many measurement configurations. For three or four different emission rates from a non-homogeneous fugitive source, in several configurations of measurement, the inversion technique points at error magnification of no more than 35-40%. A field test to evaluate the proposed methodology is planned as the second phase in the research program.

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21/3,AB/33 (Item 2 from file: 144)
DIALOG(R)File 144:Pascal
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04178473 PASCAL No.: 75-0007965
DEFENSE MECHANISMS OF THE LUNGS
(MECANISMES DE DEFENSE DES POUMONS)
COHEN A B ; GOLD W M
CARDIOVASC. RES. INST., UNIV. CALIFORNIA, SAN FRANCISCO,CALIF. 94143
Journal: ANNU. REV. PHYSIOL., 1975, 37 325-350
Language: ENGLISH
AEROSOL **ATMOSPHERIQUE** (PARTICULES NON-ANTIGENIQUES ET ANTIGENIQUES).
DEPOT DE PARTICULES DANS LES POUMONS (EFFET DE LA TAILLE, DE LA FORME ET
DES PROPRIETES HYGROSCOPIQUES DES PARTICULES, DEPOT DE POLLEN ET DE
FRAGMENTS DE POLLEN, EFFET DE MALADIE RESPIRATOIRE PRE-EXISTANTE).
MECANISME DE DEFENSE DU NEZ (REPONSES PHYSIOLOGIQUES, DEFENSES
IMMUNOLOGIQUES ET ANTIMICROBIENNES). MECANISMES DE DEFENSE DES VOIES
RESPIRATOIRES (CLEARANCE DES PARTICULES, REPONSES PHYSIOLOGIQUES, DEFENSES
IMMUNOLOGIQUES ET ANTIMICROBIENNES). MECANISMES DE DEFENSE DES ALVEOLES

21/3,AB/34 (Item 1 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
(c) 2001 Inst for Sci Info. All rts. reserv.

06357694 Genuine Article#: YL895 Number of References: 21
Title: Effect of an oxygen-reducing membrane fraction on Helicobacter pylori (ABSTRACT AVAILABLE)
Author(s): **Cohen A (REPRINT)** ; Hirshfield I
Corporate Source: US FDA,NE REG LAB, 850 3RD AVE/BROOKLYN/NY/11232
(REPRINT); ST JOHNS UNIV,DEPT BIOL SCI/JAMAICA/NY/11439
Journal: JOURNAL OF RAPID METHODS AND AUTOMATION IN MICROBIOLOGY, 1997, V5
, N4 (NOV), P299-307
ISSN: 1060-3999 Publication date: 19971100
Publisher: FOOD NUTRITION PRESS INC, 6527 MAIN ST, P O BOX 374, TRUMBULL,
CT 06611
Language: English Document Type: ARTICLE
Abstract: The emerging gastric pathogen *Helicobacter pylori* is an oxygen-sensitive fastidious microaerophile. Culturability of this organism is rapidly lost in oxygen levels present in the **atmosphere** due to its morphological transformation into a viable but not culturable state. The effect of the Oxyrase(TM) **system** of oxygen-reducing membrane fragments on *H. pylori* was evaluated at levels ranging from 0.1 to 0.6 Units/mL in Brucella broth supplemented with 5% horse serum. Duplicate sets of Oxyrase(TM) dilutions inoculated with *H. pylori* were incubated at 35C aerobically and microaerobically. At these Oxyrase(TM) levels, a logarithmic loss of *H. pylori* viability was evident in the aerobic cultures. The inoculum remained recoverable for 24 h in the presence of Oxyrase(TM), whereas recovery of inoculum in untreated broth was greatly reduced after 8 h of aerobic incubation, and the organism was unrecoverable after 24 h. Oxyrase(TM)-containing broth cultures of *H. pylori* incubated microaerobically showed a similar drop in viable counts for the first 48 h of incubation; however, at the lower levels of Oxyrase(TM), some cells survived and resumed logarithmic growth at 96 h. To explore the effects of short term aerobic incubation in the presence of 0, 0.005, 0.05, and 0.5 Units Oxyrase(TM), cultures were examined microscopically after 4, 8, and 24 h. In the Oxyrase(TM)-containing broths, <90% of the cells exhibited rod shape morphology after 8 h, whereas in the untreated broth, most cells appeared coccoid. After 24 h, all cells exhibited coccoid morphology.

21/3,AB/35 (Item 2 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
(c) 2001 Inst for Sci Info. All rts. reserv.

03527522 Genuine Article#: PJ239 Number of References: 9

Title: HEALTH-CARE SYSTEM AND MEDICAL-EDUCATION IN CANADA .2. IMPACT OF
CHANGES IN THE HEALTH-CARE SYSTEM ON MEDICAL-EDUCATION (Abstract
Available)

Author(s): COHEN R; COHEN AH ; REZNICK RK; TAYLOR BR

Corporate Source: UNIV TORONTO, DEPT SURG, 100 COLL ST/TORONTO M5G

1L5/ON/CANADA/; UNIV TORONTO, DEPT MED/TORONTO M5G 1L5/ON/CANADA/

Journal: WORLD JOURNAL OF SURGERY, 1994, V18, N5 (SEP-OCT), P676-679

ISSN: 0364-2313

Language: ENGLISH Document Type: ARTICLE

Abstract: Over the past three decades Canada has developed an exemplary
system of universal health care. However, current **financial**
constraints threaten to undermine the very foundation of the **system**
that represents Canada's respect for social justice. The first of these
two articles (Part 1) discusses the unique characteristics of the
system, a comparative view of universal health care **systems**, the
reaction of the medical profession to governmental control, and finally
the funding and manpower shortages that are compelling a review of the
values and organization that have sustained the **system** thus far. The
second article (Part 2) reviews the organization and funding of medical
education and the impact of some critical changes in the health care
system on postgraduate medical education. Issues related to new
licensure and certification requirements, changing population
demographics and approaches to health care **delivery**, manpower needs,
and the attitude and expectations of the public are discussed.

21/3, AB/36 (Item 3 from file: 34)

DIALOG(R) File 34: SciSearch(R) Cited Ref Sci

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03527521 Genuine Article#: PJ239 Number of References: 10

Title: HEALTH-CARE SYSTEM AND MEDICAL-EDUCATION IN CANADA .1. REVIEW OF
THE HEALTH-CARE CONTEXT IN A TIME OF CHANGE (Abstract Available)

Author(s): COHEN AH ; COHEN R; TAYLOR BR; REZNICK RK

Corporate Source: UNIV TORONTO, WOMENS COLL HOSP, DEPT MED EDUC, 76 GRENVILLE

ST/TORONTO M5S 1B2/ON/CANADA/; UNIV TORONTO, DEPT MED/TORONTO M5G

1L5/ON/CANADA/; UNIV TORONTO, DEPT SURG/TORONTO M5G 1L5/ON/CANADA/

Journal: WORLD JOURNAL OF SURGERY, 1994, V18, N5 (SEP-OCT), P671-675

ISSN: 0364-2313

Language: ENGLISH Document Type: ARTICLE

Abstract: Over the past three decades Canada has developed an exemplary
system of universal health care. However, current **financial**
constraints threaten to undermine the very foundation of the **system**
that represents Canada's respect for social justice. The first of these
two articles (Part 1) discusses the unique characteristics of the
system, a comparative view of universal health care **systems**, the
reaction of the medical profession to governmental control, and finally
the funding and manpower shortages that are compelling a review of the
values and organization that have sustained the **system** thus far. The
second article (Part 2) reviews the organization and funding of medical
education and the impact of some critical changes in the health care
system on postgraduate medical education. Issues related to new
licensure and certification requirements, changing population
demographics and approaches to health care **delivery**, manpower needs,
and the attitude and expectations of the public are discussed.

21/3, AB/37 (Item 4 from file: 34)

DIALOG(R) File 34: SciSearch(R) Cited Ref Sci

(c) 2001 Inst for Sci Info. All rts. reserv.

02355761 Genuine Article#: KW193 Number of References: 22

Title: U-234/U-238 RATIOS AND TH-230 AGES FOR HATERUMA ATOLL CORALS -
IMPLICATIONS FOR CORAL DIAGENESIS AND SEAWATER U-234/U-238 RATIOS (Abstract Available)

Author(s): HENDERSON GM; COHEN AS ; ONIONS RK

Corporate Source: UNIV CAMBRIDGE, DEPT EARTH SCI, DOWNING ST/CAMBRIDGE CB2

3EQ//ENGLAND/

Abstract: Published results for corals that are more than ca. 50 ka old from, for example, Barbados and Vanuata, often yield initial (U-234/U-238) activity ratios that are significantly greater than 1.144 (± 0.004), the value for modern seawater. This study reports results for corals from Hateruma Atoll, Japan, and investigates the effects of diagenesis on the initial (U-234/U-238) ratios of the corals. Hateruma consists of over 95% reef material of less than 500 ka in age. Because groundwaters associated with recent carbonates tend not to have elevated (U-234/U-238) ratios, the scope for increasing the (U-234/U-238) ratios of Hateruma corals through groundwater interaction should be minimal.

The corals examined range from those which show no petrographic or X-ray evidence for diagenetic alteration and are 'pristine' to those containing secondary cements of either aragonite or high- or low-Mg calcite. These various phases have been mechanically separated and analysed. In agreement with previous assertions the analyses of these separates demonstrates that the presence of calcite should be a cause for rejection of coral samples. It is also shown that aragonite cement can form later than coral death and may bias estimates of age and initial (U-234/U-238) ratios. Of the six 'pristine' corals, three have anomalous (Th-230/U-238) ratios requiring U loss and/or Th-230 addition. The remaining fifteen of the eighteen total analyses reported here yield ages from 1.6 ka to 260 ka. No evidence for an increase in (U-234/U-238) ratios in past seawater from this period has been found: the best estimates for (U-234/U-238) ratios are close to the current seawater value.

27/3,AB/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

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6113538 INSPEC Abstract Number: B9902-6210R-002, C9902-7140-016

Title: Multimedia architecture for teleradiology in the US Army Virtual Radiology Environment

Author(s): Cook, J. ; Chimiak, W.

Author Affiliation: Dept. of Electr. & Comput. Eng., Arizona Univ., Tucson, AZ, USA

Journal: Proceedings of the SPIE - The International Society for Optical Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA) vol.3339 p.206-14

Publisher: SPIE-Int. Soc. Opt. Eng,

Publication Date: 1998 Country of Publication: USA

CODEN: PSISDG ISSN: 0277-786X

SICI: 0277-786X(1998)3339L:206:MATA;1-S

Material Identity Number: C574-98227

U.S. Copyright Clearance Center Code: 0277-786X/98/\$10.00

Conference Title: Medical Imaging 1998: PACS Design and Evaluation: Engineering and Clinical Issues

Conference Sponsor: SPIE

Conference Date: 24-26 Feb. 1998 Conference Location: San Diego, CA, USA

Language: English

Abstract: The US Army Virtual Radiology Environment (USAVRE) connects all the Army's major medical centers and regional medical commands (RMCs). Its purpose is to improve the quality, access and cost of radiology services in the Army via the use of state-of-the-art medical imaging, **computer** and networking technologies. USAVRE contains multimedia-viewing workstations for static and dynamic modality cases. The storage and archiving **systems** are based on a distributed computing environment (DCE) using CORBA middleware protocols. Collaboration between archive centers and viewing workstations are managed by CORBA functions and multimedia object streams. The underlying **ATM** -based backbone network connects to the RMC networks and local PACS networks at medical centers and RMC clinics. The virtual radiology services in USAVRE must be applied to several radiology modalities in a virtual network environment. We assume the existence of several PACS networks within a USAVRE environment that have a need to exchange multimedia images and patient information. We define a multimedia collaborative DCE in medical imaging and radiology as a collection of collaborating PACS networks with workstations and image archive **systems** for the purposes of acquiring and exchanging patient static and video images; storage, retrieval and archiving of those images; image analysis and multimedia consultation on patient cases; operation and management of the network to optimize its resources; and improving the quality and access of the radiology services to the patients. This paper describes the open **systems** architecture for USAVRE.

Subfile: B C

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27/3,AB/2 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

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5933813 INSPEC Abstract Number: B9807-6220B-013

Title: Full service access networks: experimental realization and performance

Author(s): Faulkner, D.W.; Quayle, A.; Smith, P.; Clarke, D.; Fisher, S.; Adams, R.; Kelly, J.; Smee, D.; Cook, J.

Author Affiliation: British Telecom Res. Labs., Ipswich, UK

Journal: Proceedings of the SPIE - The International Society for Optical Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA)

vol.3230 p.168-75

Publisher: SPIE-Int. Soc. Opt. Eng,

Publication Date: 1997 Country of Publication: USA

CODEN: PSISDG ISSN: 0277-786X

SICI: 0277-786X(1997)3230:168:FSAN;1-5

Material Identity Number: C574-98012

U.S. Copyright Clearance Center Code: 0277-786X/97/\$10.00

Conference Title: All-Optical Communication Systems: Architecture, Control, and Network Issues III

Conference Sponsor: SPIE

Conference Date: 2-3 Nov. 1997 Conference Location: Dallas, TX, USA

Language: English

Abstract: This paper describes how an experimental full services access network has been constructed at BT Labs and presents views on how its performance could be improved to meet the reliability and traffic loading requirements expected in real applications such as fiber to the business and fiber to the cabinet. The experimental network included: asynchronous transfer mode (ATM) switch, an ATM passive optical network (PON), very high speed digital subscriber loop (VDSL) customer drop and ATM Forum 25 Mbit/s customer network. The design and realization of the VDSL customer drop, the signalling system and the interfaces between the system elements formed a major part of the design and construction work at BT Labs. The ability to cope with varying service demand and achieving the necessary quality of service are important requirements for roll-out systems. This paper describes how these requirements could be met in the design of future proprietary equipment.

Subfile: B

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27/3,AB/3 (Item 3 from file: 2)

DIALOG(R)File 2:INSPEC

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5711460 INSPEC Abstract Number: B9711-7950-004, C9711-3375-004

Title: The Navy's high energy laser weapon system

Author(s): Cook, J.R. ; Albertine, J.R.

Author Affiliation: Space & Naval Warfare Syst. Command, Arlington, VA, USA

Journal: Proceedings of the SPIE - The International Society for Optical Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA) vol.2988 p.264-71

Publisher: SPIE-Int. Soc. Opt. Eng,

Publication Date: 1997 Country of Publication: USA

CODEN: PSISDG ISSN: 0277-786X

SICI: 0277-786X(1997)2988L:264:NHEL;1-1

Material Identity Number: C574-97152

U.S. Copyright Clearance Center Code: 0277-786X/97/\$10.00

Conference Title: Free-Electron Laser Challenges

Conference Sponsor: SPIE

Conference Date: 13-14 Feb. 1997 Conference Location: San Jose, CA, USA

Language: English

Abstract: Over the past 25 years, in an attempt to develop a speed-of-light hard-kill weapon system, the US Navy has successfully reduced megawatt-class chemical laser and high power beam control technologies to engineering practice. This Navy program was established during the cold war era when defending naval battle group was the primary concern of the US Navy. Since the collapse of the Soviet Union, however, an urgent and challenging issue facing the US Navy is the self-defense against cruise missile in a littoral battlefield environment against threats originating from shore and/or scattered low-value platforms. This fundamental shift in the battlefield environment and engagement configuration profoundly affected the basic performance requirements placed on potential shipboard high energy laser weapon systems (HELWS). In a littoral maritime environment, thermal blooming limits atmospheric propagation of an HEL beam, and thus limits the weapon's effectiveness. This paper identifies and discusses the technical issues associated with HELWS requirements in this new environment. It also discusses the collateral capabilities that enhance and complement the performance of other weapon and sensor systems onboard ship. This paper concludes that the HELWS using a free electron laser (FEL) offers a unique weapon option for our

warships in facing the new defense challenges of the future.

Subfile: B C

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27/3,AB/4 (Item 4 from file: 2)

DIALOG(R)File 2:INSPEC

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4955806 INSPEC Abstract Number: A9512-9260-006, B9507-5210C-005

Title: Visualization and assessment of VOCAR propagation conditions

Author(s): Cook, J. ; Love, G.G.; Burk, S.D.; Thompson, W.T.

Author Affiliation: Marine Meteorol. Div., Naval Res. Lab., Monterey, CA, USA

Part vol.1 p.73-4 vol.1

Publisher: IEEE, New York, NY, USA

Publication Date: 1994 Country of Publication: USA 4 vol. lxviii+2543 pp.

ISBN: 0 7803 1497 2

U.S. Copyright Clearance Center Code: 0 7803 1497 2/94/\$4.00

Conference Title: Proceedings of IGARSS '94 - 1994 IEEE International Geoscience and Remote Sensing Symposium

Conference Sponsor: IEEE; IEEE Geosci. & Remote Sensing Soc.; URSI; Opt. Soc. America; NASA; Office of Naval Res

Conference Date: 8-12 Aug. 1994 Conference Location: Pasadena, CA, USA

Language: English

Abstract: Using data from the Variability of Coastal Atmospheric Refractivity (VOCAR) experiment, forecasts of near-coastal propagation conditions from a mesoscale weather prediction model are coupled to a range dependent propagation model. Various visualization techniques are used to investigate the results. Visualizations of both coastal meteorological features and their impacts on radio propagation have been made into a short video. Results show the natural variability of the propagation conditions during VOCAR and demonstrate the feasibility of such a coupled **system** for propagation assessment.

Subfile: A B

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27/3,AB/5 (Item 5 from file: 2)

DIALOG(R)File 2:INSPEC

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03647340 INSPEC Abstract Number: A90078452

Title: Passive cooling

Editor(s): Cook, J.

Publisher: MIT Press, Cambridge, MA, USA

Publication Date: 1989 Country of Publication: USA viii+593 pp.

ISBN: 0 262 03147 7

Language: English

Abstract: This book reviews all of the existing energyless means of keeping buildings cool. Unlike passive heating, which draws on the sun, passive cooling relies on three natural heat sinks-the sky, the **atmosphere**, and the Earth-to achieve temperature moderation. This book describes and evaluates mechanisms for coupling buildings to these sinks and ways of integrating multiple strategies into effective passive cooling **systems**. Radiative cooling, ventilative cooling and evaporative cooling are described as is 'Earth coupling'.

Subfile: A

27/3,AB/6 (Item 6 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2001 Institution of Electrical Engineers. All rts. reserv.

03405553 INSPEC Abstract Number: C89041246

Title: Implementing chargeback strategies for data communications

Author(s): Cook, J.R.

Conference Title: CMG 86. International Conference on Management and Performance Evaluation of Computer Systems Conference Proceedings p. 765-71

Publisher: Comput. Meas. Group, Alexandria, VA, USA

Publication Date: 1986 Country of Publication: USA xvii+851 pp.

Conference Date: 9-12 Dec. 1986 Conference Location: Las Vegas, NV, USA

Language: English

Abstract: This paper addresses the practical problems of implementing a workable communications chargeback methodology which is firmly based on sound accounting practices. Emphasis is placed on relating the chargeback methodology to the **financial** management philosophy of the organization. A progression of strategies is presented and critiqued, starting with mainframe-measurements-based implementations using common measurement products and moving to network-measurement-based implementations employing recently developed network measurement tools such as: NPM and NLDM.

Subfile: C

27/3,AB/7 (Item 7 from file: 2)

DIALOG(R)File 2:INSPEC

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03307020 INSPEC Abstract Number: A89033652

Title: **Plasma motions in an emerging flux region**

Author(s): Brueckner, G.E.; Bartoe, J.-D.F.; Cook, J.W. ; Dere, K.P.; Socker, D.; Kurokawa, H.; McCabe, M.

Author Affiliation: Naval Res. Lab., Washington, DC, USA

Journal: Astrophysical Journal vol.335, no.2, pt.1 p.986-95 + 1 plate

Publication Date: 15 Dec. 1988 Country of Publication: USA

CODEN: ASJOAB ISSN: 0004-637X

Language: English

Abstract: Ultraviolet spectra of C IV show large nonthermal broadening (approximately 100 km s/sup -1/) in an area of emerging flux. These nonthermal motions are observed at a very early stage of reconnecting field lines. The spectra can be traced to small, rapidly changing surge or filament-like features which are seen in the center, blue, and red wing of H alpha . They seem to have the characteristics of macrospicules or explosive events. They are precursors of the reconnection process. Plasma turbulence and/or plasma waves in the reconnecting plasma may cause the broad C IV line profiles. Plasma instabilities are most likely triggered in the transition zone of the solar **atmosphere** because beta values can easily change from beta <1 to beta >1 and the plasma is fully ionized. The activity in the transition zone precedes the formation of a bright chromospheric loop **system** .

Subfile: A

27/3,AB/8 (Item 8 from file: 2)

DIALOG(R)File 2:INSPEC

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02683708 INSPEC Abstract Number: C86033444

Title: **Modular integration methods for simulation of large scale dynamic systems**

Author(s): Brosilow, C.B.; Yin-Chang Liu; Cook, J. ; Klatt, J.

Author Affiliation: Case Western Reserve Univ., Cleveland, OH, USA

Journal: Modeling, Identification and Control vol.6, no.3 p.153-79

Publication Date: July 1985 Country of Publication: Norway

CODEN: MIDCDA ISSN: 0332-7353

Language: English

Abstract: Modular simulation of dynamic **systems** offers the possibility of computational speed through parallel processing of individual sub-**systems** and through the use of the best integration algorithms for each sub-**system** . Such simulation needs co-ordination algorithms to keep the various sub-**systems** in time synchronization and to compute the interconnection between the sub-**systems** . A mathematical description of

the co-ordination problem leads to the development of several new algorithms. These new algorithms are shown to have desirable convergence and stability properties. In particular a new Newton type algorithm is A-stable in a sense similar to that defined for ordinary integration algorithms. Numerical tests with several small example problems and with the simulation of the dynamics of an **atmospheric** crude unit consisting of five interacting columns are used to evaluate the various co-ordination algorithms. The crude unit simulation was carried out using a prototype modular simulator for distillation **systems**. This simulator is briefly described.

Subfile: C

27/3,AB/9 (Item 9 from file: 2)
DIALOG(R)File 2:INSPEC
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02105301 INSPEC Abstract Number: C83032365

Title: Resource management through effective accounting

Author(s): **Cook, J.R.**

Author Affiliation: Data Strategies, Irvine, CA, USA

Journal: Computer Performance vol.4, no.2 p.61-72

Publication Date: June 1983 Country of Publication: UK

CODEN: COPED8 ISSN: 0143-9642

U.S. Copyright Clearance Center Code: 0143-9642/83/020061-12\$03.00

Language: English

Abstract: Despite the long history of **computer** -resource utilization accounting, there remains no definitive rationale for the function, set of minimum requirements or methodology now in common use. Many installations perform the function but largely ignore the results, while others do not perform any sort of accounting and see no need for it. Some companies would like to do accounting but are unable to decide on a methodology to implement. The traditional approach to **computer** -resource accounting is examined and the problems pointed out. A more contemporary rationale for accounting, modifying and adding to the traditional approach and based on historical experience and contemporary **financial** requirements, is suggested.

Subfile: C

27/3,AB/10 (Item 10 from file: 2)
DIALOG(R)File 2:INSPEC
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01798574 INSPEC Abstract Number: A82018684

Title: A high precision solar ultraviolet spectral irradiance monitor for the wavelength region 120-400 nm

Author(s): Vanhoosier, M.E.; Bartoe, J.-D.F.; Brueckner, G.E.; Prinz, D.K.; **Cook, J.W.**

Author Affiliation: E.O. Hulburt Center for Space Res., Naval Res. Lab., Washington, DC, USA

Journal: Solar Physics vol.74, no.2 p.521-30

Publication Date: Dec. 1981 Country of Publication: Netherlands

CODEN: SLPHAX ISSN: 0038-0938

Conference Title: Proceedings of the 14th ESLAB Symposium on 'Physics of Solar Variations'

Conference Date: 16-19 Sept. 1980 Conference Location: Scheveningen, Netherlands

Language: English

Abstract: There exists a growing need to improve the accuracy of measurement of the absolute solar flux within the wavelength range 120-400 nm. Although full-disk solar fluxes and variations thereof in the 120-400 nm region are required to model the solar **atmosphere**, current increased interest in the measurements arises from their importance in modeling the terrestrial **atmosphere**. The authors describe the Solar Ultraviolet Spectral Irradiance Monitor (SUSIM) experiment under development at the Naval Research Laboratory (NRL) for flight aboard the Space Shuttle and the Upper **Atmospheric** Research Satellite (UARS). SUSIM will monitor the solar

flux in the 120-400 nm region with high precision, using as in-flight calibration **system** to reduce absolute error to <10%, and error relative to the 400 nm continuum to <1%.

Subfile: A

27/3,AB/11 (Item 11 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2001 Institution of Electrical Engineers. All rts. reserv.

01675585 INSPEC Abstract Number: A81044245

Title: Studies of reactions of importance in the stratosphere. IV. Rate constant for the reaction $\text{Cl} + \text{HOCl}$ to $\text{HCl} + \text{ClO}$ over the temperature range 243-365K

Author(s): Cook, J.-E.L. ; Ennis, C.A.; Leck, T.J.; Birks, J.W.

Author Affiliation: Dept. of Chem., Univ. of Colorado, Boulder, CO, USA

Journal: Journal of Chemical Physics vol.74, no.1 p.545-9

Publication Date: 1 Jan. 1981 Country of Publication: USA

CODEN: JCPSA6 ISSN: 0021-9606

Language: English

Abstract: For pt.I see *ibid.*, vol.72, no.4, p.2364 (1980). The title reaction was studied over the temperature range 243-365K using the discharge flow technique with mass spectrometry for detection. The rate constant was measured by detecting the loss of HOCl in the presence of a large excess of chlorine atoms. The resulting temperature dependent rate constant is given by $k = (3.0 \pm 0.5) \times 10^{-12} \exp(-(130 \pm 60)/T)$ cm³/molecule/sup -1/ s/sup -1/, where the stated errors include the authors' estimate of the maximum possible **systematic** error. This reaction becomes a significant pathway to HCl in the stratosphere when the total ClX exceeds 10 p.p.b.v. Upper limits for rate constants for the reactions $\text{HOCl} + \text{NO}$ to products and $\text{HOCl} + \text{O}$ to products at 300K were established to be 1.0×10^{-17} and 4.0×10^{-16} cm³/molecule/sup -1/ s/sup -1/, respectively.

Subfile: A

27/3,AB/12 (Item 1 from file: 108)

DIALOG(R)File 108:AEROSPACE DATABASE

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02534757 A00-39766

IV&V of three astrodynamics functions of the Satellite Tool Kit

Chao, C. C.; Warner, L. F.; Cox, J.; Thompson, R. C.; Starchville, T. F.; Cook, J. W. (Aerospace Corp., Los Angeles, CA); Woodburn, J.

In: AIAA/AAS Astrodynamics Specialist Conference, Denver, CO, Aug. 14-17, 2000, Collection of Technical Papers (A00-39758 10-13), Reston, VA, American Institute of Aeronautics and Astronautics, 190, p. 70-81.

2000

REPORT NO.: AIAA Paper 2000-4022

This paper presents the results of an Independent Verification and Validation (IV&V) of three astrodynamics functions of the Satellite Tool Kit (STK) of Analytical Graphics, Inc. The three functions are: (1) high precision orbit propagator (HPOP), (2) parameter and coordinate frame transformations, and (3) access and visibility calculations. The Aerospace Corporation's trajectory and orbit determination program (TRACE) was used as the benchmark tool for conducting tests for functions (1) and (2). Other Aerospace Corporation programs were used for testing the STK access and visibility calculations. The agreements between STK-generated satellite ephemeris or orbit parameters and those generated by Aerospace Corporation programs varied with individual task conditions. A single quantitative statement cannot be made for all testing. Based on Aerospace experience, results ranged from satisfactory to excellent. Some limited areas had larger than expected differences, but those differences were deemed small for most applications, with the exception of those involving precision geodesy or altimetry work. The Aerospace Corporation programs mentioned above have been used to validate several Department of Defense (DOD) mission operation and support software **systems**. The quality of the three STK functions is reflected by the test results of this IV&V, shown in this

27/3,AB/13 (Item 2 from file: 108)
DIALOG(R)File 108:AEROSPACE DATABASE
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02402980 N99-17889

Evaluation of COAMPS Mesoscale Modeling in the Persian Gulf Region

Wash, Carlyle H. (); Jordan, Mary S. (); Cook, John ()

NASA no. 19990036184.

Dec. 1998

REPORT NO.: NASA no. 19990036184; AD-A361074

The US Navy conducted a Ship ASW Readiness and Effectiveness Measuring exercise (SHAREM 110) in the Persian Gulf during 5-17 February 1995. As part of SHAREM, additional mesoscale measurements were made by ships and aircraft. After the exercise, the Naval Research Laboratory, Monterey ran the research version of the Navy Coupled Ocean/**Atmosphere** Mesoscale Prediction **System** (COAMPS) for the entire SHAREM period, without incorporating the mesoscale observations into model data assimilation. The purpose of this research is to study the mesoscale features in the SHAREM data set and to evaluate the COAMPS predictions of these phenomena. The period of 8-11 February 1995 includes three distinct synoptic and mesoscale phenomena, which will be studied in this paper. A mesoscale disturbance is evident in ship soundings and aircraft data on 8 February, in advance of a cold front. The front passed through the Persian Gulf on 9 February, and ship and aircraft data for that day shows subsidence, drying, and establishment of a strong inversion behind the front. A Shamal occurs on 10-11 February. Aircraft and ship data on 11 February provide in situ measurements of the Shamal and the resultant deep mixed layer in the Persian Gulf. This paper includes evaluations of COAMPS at three separate times: 06-12 UTC 8 February, 06 UTC 9 February, and 06 UTC 11 February 1995. In addition, evaluation of COAMPS for a period of strong land-sea breeze circulations during 14-15 February will be reported at the conference

27/3,AB/14 (Item 3 from file: 108)
DIALOG(R)File 108:AEROSPACE DATABASE
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02294711 N97-13795

Using Remote Refractivity to Predict Tropospheric Refractivity from Measurements of Microwave Propagation

BOYER, DONALD; GENTRY, GREG; STAPLETON, JANET; BURK, STEPHEN (Naval Research Lab., Monterey, CA.); COOK, JOHN (Naval Research Lab., Monterey, CA.); et al.

Naval Surface Warfare Center, Dahlgren, VA.

CORPORATE CODE: NT822245

In Naval Surface Warfare Center, Remote Sensing: A Valuable Source of Information p (SEE N97-13780 01-43)

Oct. 1996

The direct measurements of vertical profiles of humidity and temperature at various ranges, from which range dependent refractivity structures are derived, are very difficult to obtain onboard a ship, and these profiles are needed in order to predict the performance of a radar **system** in a coastal marine environment. Recently remote sensing techniques have been proposed which attempt to deduce the refractivity structure over a path by measuring relative signal levels from known emitters. Since in a naval battle group there are known transmitters at different frequencies, whose signals can be monitored by any friendly ship, these radio propagation techniques offer high potential for implementation as part of a shipboard sensor assessment **system**. In order to derive refractivity fields in the lower **atmosphere** above the sea surface from measurements of propagation loss, the refractivity profiles must be represented in terms of a small number of parameters. This paper discusses using analytic representations of mean refractivity profiles in the constant flux surface layer of the marine **atmospheric** boundary layer. The numerical inversion techniques

used for obtaining refractivity fields from measurements of propagation loss are also included (Author)

27/3,AB/15 (Item 4 from file: 108)
DIALOG(R)File 108:AEROSPACE DATABASE
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00933280 A78-33515

Expand system capacity with frequency reuse (in satellite communications)

COOK, J. H., JR. (Scientific-Atlanta, Inc., Atlanta, Ga.)

MicroWaves, vol. 17, Apr. 1978, p. 94-96.

Apr. 1978 12 REFS.

Frequency reuse is a method of remodeling two orthogonal states of an electromagnetic field to allow two independent signals to be sent through the same communication link at the same frequency. Current applications find use in **systems** operating in the 4/6 GHz band with 500 MHz bandwidths, i.e., communications satellites. Efficiency is limited, however, by hardware imperfections and by **atmospheric** effects. Attention is given to disturbances caused by Faraday rotation, which rotates the polarization of the microwave signals, and to rainfall. An attempt is made to parameterize interference effects, noting that 24-channel traffic provides predictable interference (D.M.W.)

27/3,AB/16 (Item 5 from file: 108)
DIALOG(R)File 108:AEROSPACE DATABASE
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00666814 A74-30476

Optical cables (glass fiber communication cables)

Les cables optiques

COOK, J. S. (Bell Telephone Laboratories, Inc., Holmdel, N.J.)

La Recherche, vol. 5, May 1974, p. 426-435. In French.

May 1974

Review of the problems involved in the use of hair-thin glass fibers for the transmission of light over long distances, and discussion of the revolution in high-volume optical communications to result from the solution of these problems. Optical glass fibers are shown to make it possible to overcome most of the obstacles encountered in optical communications through the **atmosphere**. The light absorption and propagation characteristics of glass fibers are considered, along with the various glass and light parameters involved. Alternative optical glass fiber compositions and structures, as well as light sources and detectors tested or contemplated in current efforts to optimize the high-volume transmission and reception of optical communication signals are described. The potential performance of optical communications **systems** and its realization prerequisites are also examined. (M.V.E.)

27/3,AB/17 (Item 1 from file: 8)
DIALOG(R)File 8: Ei Compendex(R)
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05005655

E.I. No: EIP98054178977

Title: Financial management in the era of distributed computing

Author: Cook, James R.

Corporate Source: Systems Management Consultants

Conference Title: Proceedings of the 1997 23rd International Conference for the Resource Management & Performance Evaluation of Enterprise Computing Systems. Part 2 (of 2)

Conference Location: Orlando, FL, USA Conference Date: 19971207-19971212

E.I. Conference No.: 48275

Source: CMG Proceedings v 2 1997. CMG, Turnersville, NJ, USA. p 943-953

Publication Year: 1997

CODEN: CMPREY

Language: English

Abstract: As the importance of information technology to the business has grown exponentially, over the last five decades, the approaches to **financial** management of IT have remained relatively static. Thus enterprises stand poised on the brink of the new millennium, in which the exploitation of information technologies will be the key differentiator between winners and losers, armed with **financial** practices designed to control limited, centralized, non-strategic support equipment. It is not hyperbole to say that the **financial** practices most enterprises use to manage their distributed information **systems** is less sophisticated than those they employ to manage their photocopiers. In this paper, the author discusses how to apply a new metrics collection technology which is not specifically designed to support IT accounting and chargeback and describes how to model the costs of these metrics via a simplified, activity-based approach. (Author abstract)

27/3,AB/18 (Item 2 from file: 8)

DIALOG(R)File 8:Ei Compendex(R)

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04137510

E.I. No: EIP95042665703

Title: Should you drive a used car on the information superhighway?

Author: **Cook, James R.**

Corporate Source: Data Strategies, Systems Management Consultants

Conference Title: Proceedings of the 20th International Conference for the Resource Management and Performance Evaluation of Enterprise Computing Systems. Part 1 (of 2)

Conference Location: Orlando, FL, USA Conference Date: 19941204-19941209

E.I. Conference No.: 42881

Source: CMG Proceedings v 1 1994. CMG, Chicago, IL, USA. p 246-252

Publication Year: 1994

CODEN: CMPREY

Language: English

Abstract: One of the widely touted economic advantages of the move to distributed computing is the ability to buy needed capacity in small increments. This trait of small **systems** allows more accurate sizing of the physical plant to the business requirement, which means less excess capacity and therefore lower overall cost; or so goes conventional wisdom. Further consideration of such 'Just in Time' capacity strategies brings up the question of how the costs associated with replacing a node in the network may reduce this apparent cost savings. It is not too difficult to envision that in the distributed world, **financial** strategies for equipment disposal may be as (or more) important than those for acquisition. This paper proposes a simple approach determining what is the optimum increment of excess capacity to purchase when making new **systems** acquisitions. (Author abstract)

27/3,AB/19 (Item 3 from file: 8)

DIALOG(R)File 8:Ei Compendex(R)

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03808805

E.I. No: EIP94021222370

Title: Geochemical mapping of stream water for environmental studies and mineral exploration in the UK

Author: Simpson, P.R.; Edmunds, W.M.; Breward, N.; **Cook, J.M.** ; Flight, D.; Hall, G.E.M.; Lister, T.R.

Corporate Source: British Geological Survey, Nottingham, Engl

Source: Journal of Geochemical Exploration v 49 n 1-2 Nov 1993. p 63-88

Publication Year: 1993

CODEN: JGCEAT ISSN: 0375-6742

Language: English

Abstract: The stream water hydrogeochemical database, prepared by the

British Geological Survey's Geochemical Survey Programme, in conjunction with databases for stream sediments, soil samples and mineral concentrates, has recently been enhanced for a range of economic and environmental objectives. The density of **systematic** stream water sampling and analysis has been increased to one sample per km**2 and a broader spectrum of determinands introduced. An orientation suite of hydrogeochemical maps has been produced from water samples collected at 1279 sample sites in North Wales to test the methodology. Preliminary results indicate that bedrock geology and mineralisation are the most important variables which influence the surface water chemistry. The primary control by geological parameters is variously modified by secondary influences which include geomorphological factors (especially altitude) **atmospheric** (climatic and coastal effects), and anthropogenic (agriculture, urban and industrial developments). Regional hydrogeochemical stream water maps have a wide range of economic and environmental applications, especially when interpreted in conjunction with geological data. Results obtained so far indicate that interpretation is likely to be further enhanced in the future by intercomparison with regional stream sediment, hydrogeological, geomorphological, pedological, agricultural, landuse, climatic and remotely sensed datasets in a GIS environment. Hydrogeochemical sampling and analysis represents a cost-effective addition to the Regional Geochemical Survey of the UK. (Author abstract) Refs.

27/3,AB/20 (Item 1 from file: 103)

DIALOG(R)File 103:Energy SciTec

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03765571 CANM-94-0E2018; EDB-95-009339

Title: Monitoring the properties of sea ice for coupled ice-ocean modeling and ice forecasting

Original Title: Observation des proprietes de la glace de mer par couplage des procedes de modelisation de la glace et des oceans et des procedes de prevision des glaces

Author(s): Prinsenberg, S.J.; Fowler, G.A

Title: Science review of the Beaufort Institute of Oceanography, the Halifax Fisheries Research Laboratory, and the St. Andrews Biological Station, 1990-91

Original Title: Revue des sciences de l'Institut oceanographique de Bedford, du Laboratoire de recherche halieutique de Halifax, et de la Station biologique de St. Andrews, 1990-91

Author(s)/Editor(s): Smith, T.E.; Cook, J. (eds.)

Corporate Source: Department of Fisheries and Oceans, NS (Canada).
Scotia-Fundy Region

Publication Date: 1992 p 91-95 (190 p)

Report Number(s): FOSFR-75-104/1991F MICROLOG--94-01261

ISBN: 0-662-18470-X

Language: French

Abstract: Oil exploration, fisheries, and transportation off the Labrador and Newfoundland coasts have placed increasing demands on the ability to monitor and predict the properties and movement of the annual pack ice throughout the winter and spring. Recent developments have allowed the required in-situ ice data to be obtained using the Argos **System**, which employs a pattern of polar-orbiting satellites which can recover data from remote transmitters and fix the transmitter position to within ca 0.2 km. The **system** enables sea ice movements to be tracked by placing beacon transmitters on the ice. The beacons used are small and expendable, are deployable by aircraft, and can work up to 6 months under Arctic conditions. From 1985 to 1989, 42 ice beacons were satellite-tracked off the Labrador coast to study the response of ice to **atmospheric** and oceanographic forcing. Preferred routes of drifting ice and ranges of ice drift velocities were determined. The data transmission capability of Argos was employed to transmit temperatures from surface water, ice, and **atmosphere** to estimate the growth rate of ice and the ocean/air balance of heat flux. The success in using the ice beacons led to development of a smaller version of a temperature staff used in the field to measure ice conditions on the Labrador Shelf. Flexible chains of thermistors were suspended beneath

buoys to determine ocean temperature profiles up to 50 m below surface, thereby aiding in estimation of the contribution of oceanic heat flux to ice melting. A pressure transducer at the bottom of the chain was used to correct for vertical excursion caused by drag. Knowledge of this vertical excursion can provide an estimate of the average water current. 6 refs., 5 figs.

27/3,AB/21 (Item 2 from file: 103)

DIALOG(R)File 103:Energy SciTec

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03343742 EDB-92-106499

Title: Radioactive Waste Burial Grounds

Author(s)/Editor(s): Jaegge, W.J.; Kolb, N.L.; Looney, B.B.; Marine, I.W.; Towler, O.A.; Cook, J.R.

Corporate Source: Du Pont de Nemours (E.I.) and Co., Aiken, SC (United States). Savannah River Lab.

Sponsoring Organization: DOE USDOE, Washington, DC (United States)

Publication Date: Mar 1987 (230 p)

Report Number(s): DPST-85-694

Order Number: DE92014002

Contract Number (DOE): AC09-76SR00001; AC09-89SR18035

Language: In English

Abstract: This document provides environmental information on postulated closure options for the Radioactive Waste Burial Grounds at the Savannah River Plant and was developed as background technical documentation for the Department of Energy's proposed Environmental Impact Statement (EIS) on waste management activities for groundwater protection at the plant. The results of groundwater and **atmospheric** pathway analyses, accident analysis, and other environmental assessments discussed in this document are based upon a conservative analysis of all foreseeable scenarios as defined by the National Environmental Policy Act (CFR, 1986). The scenarios do not necessarily represent actual environmental conditions. This document is not meant to be used as a closure plan or other regulatory document to comply with required federal or state environmental regulations. The closure options considered for the Radioactive Waste Burial Grounds are waste removal and closure, no waste removal and closure, and no action. The predominant pathways for human exposure to chemical and/or radioactive constituents are through surface, subsurface, and **atmospheric** transport. Modeling calculations were made to determine the risks to human population via these general pathways for the three postulated closure options. An ecological assessment was conducted to predict the environmental impacts on aquatic and terrestrial biota. The relative costs for each of the closure options were estimated.

27/3,AB/22 (Item 3 from file: 103)

DIALOG(R)File 103:Energy SciTec

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03304059 NOV-92-002171; EDB-92-066816

Title: Potential impacts of biomass production in the United States on biological diversity

Author(s): Cook, J.H. (Scully Science Center, National Audubon Society, Islip, NY (US)); Beyea, J. (National Audubon Society, New York, NY (US)); Keeler, K.H. (Nebraska Univ., Lincoln, NE (United States). School of Biological Sciences

Title: Annual review of energy and the environment

Author(s)/Editor(s): Hollander, J.M. (Univ. of California at Berkeley, CA (US)); Socolow, R.H. (Princeton Univ., PA (US)); Sternlight, D.

Publisher: Palo Alto, CA (United States) Annual Reviews Inc.

Publication Date: 1991 p 401-431 (586 p)

ISBN: 0-8243-2316-5

Language: In English

Abstract: This paper reports that biomass could be a renewable source of energy and chemicals that would not add CO₂ to the **atmosphere**.

It will become economically competitive as its cost decreases relative to energy costs, and biotechnology is expected to accelerate this trend by increasing biomass productivity. Pressure to slow global warming may also make biomass more attractive. Substantial dependence on biomass would entail massive changes in land use, risking serious reductions in biodiversity through destruction of habitat for native species. Forests could be managed and harvested more intensively, and virtually all arable land unsuitable for high-value agriculture or silviculture might be used to grow energy crops. The authors estimate that it would require an area equal to that farmed in 1988, about 130 million hectares, just to supply the United States with transportation fuel. Planning at micro to macro scales will be crucial to minimize the ecological impacts of producing biomass. Cropping and harvesting **systems** will need to provide the spatial and temporal diversity characteristics of natural ecosystems and successional sequences. To maximize habitat value for interior-dependent species, it will be essential to maintain the connectivity of the habitat network, both within biomass farms and to surrounding undisturbed areas.

27/3,AB/23 (Item 4 from file: 103)

DIALOG(R)File 103:Energy SciTec

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02876213 NOV-90-014270; EDB-90-093453

Title: Dust accumulation on horizontal radiant barriers

Author(s): Yarbrough, D.W. (Tennessee Technological Univ., Cookeville, TN (USA)); Cook, J.C. Jr. (MacMillan Bloedel, Inc., Pine Hill, AL (US))

Title: Proceedings of the 9th Miami international congress on energy and environment. Volume 1-2 (Abstracts)

Author(s)/Editor(s): Veziroglu, T.N. (Miami Univ., Coral Gables, FL (USA). Clean Energy Research Inst.)

Conference Title: 9. Miami international congress on energy and environment

Conference Location: Miami Beach, FL (USA) Conference Date: 11-13 Dec 1989

Publisher: Coral Gables, FL (USA) Univ. of Miami, College of Engineering

Publication Date: 1989 p 126 (480 p)

Report Number(s): CONF-891210--

Language: In English

Abstract: Radiant barriers have been shown to be effective in reducing heat flow across residential attic spaces. One type of radiant barrier **system** consists of an aluminum foil horizontally positioned on top of existing attic insulation with a low emittance side facing upward. The energy saving feature of this horizontal radiant barrier is a result of the low emittance surface which reduces radiative transport across the open attic space. Laboratory data has shown that dust accumulations on the surface of aluminum foil increases the surface emittance. A collection of foil specimens from attics containing horizontal radiant barriers showed measurable dust accumulations and increased emittances. A project to model the settling of dust from air moving through a residential attic has been completed in order to predict the long-term performance of horizontal radiant barriers. The modeling effort takes into account particulate concentrations in the **atmosphere**, attic ventilation rates, and to a limited extent attic geometry. Results obtained both the settling model have been compared with field data. The model and the field data provide a basis for predicting the efficiency of horizontal radiant barriers after installation.

27/3,AB/24 (Item 5 from file: 103)

DIALOG(R)File 103:Energy SciTec

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02876158 EDB-90-093398; ERA-15-034688

Title: Radiative cooling

Author(s): Martin, M.

Title: Passive cooling

Author(s)/Editor(s): Cook, J. (ed.)

Publisher: Cambridge, MA (US) Massachusetts Institute of Technology
Publication Date: 1989 p 138-196 (593 p)
Report Number(s): DOE/CE-90010899
Language: In English

Abstract: This chapter deals with understanding and harnessing the common, but easily misunderstood paths of infrared heat transfer to provide a source of natural cooling. Illustrations of the process abound in nature. Dew formation on grass is caused by radiative heat loss to the night sky. Morning ground fog and frost occur most readily after clear, cloudless nights because of this process. Increasing the air humidity slows the radiative cooling through the **atmosphere**. The chapter is divided into five sections - the introduction; basic physics of sky radiation; the radiative cooling resource; radiative cooling **system** concepts; and new radiative cooling technologies.

27/3,AB/25 (Item 6 from file: 103)

DIALOG(R)File 103:Energy SciTec

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02397930 NOV-90-004578; EDB-90-067149

Title: The new energy evaluators Energy accounting by local government energy managers

Author(s): Egel, K.; Cook, J. (Energy Management Services, Berkeley, CA (US))

Title: Community and local government conservation programs

Original Series Title: Volume 7

Conference Title: Community and local government conservation programs

Conference Location: Pacific Grove, CA (USA) Conference Date: 28 Aug - 3 Sep 1988

Publisher: Washington, DC (USA) American Council for an Energy Efficient Economy

Publication Date: 1990 p 7.40-7.52 (vp.)

Report Number(s): CONF-8808246--

Language: In English

Abstract: Energy evaluation techniques have largely been the exclusive province of energy evaluators and researchers. Local government energy managers, having completed energy retrofit efforts in their facilities have been hard-pressed to report on actual, weather-corrected energy and dollar savings from their work. Typically untrained in energy evaluation techniques, they were often faced with the choice of reporting energy savings as estimated by energy audits and vendor literature or contracting out for evaluation services. Within the last two years, however, personal **computer** software programs have established the field of energy accounting, allowing practicing energy managers to use relatively sophisticated evaluation techniques to measure and report the success of their retrofit efforts. This paper examines **computerized** energy accounting. It provides an introduction to energy accounting and the ways in which such **systems** assist local government energy managers. It discusses the features which local government should look for in evaluating energy accounting software packages. The authors report on the work completed in establishing energy accounting **systems** among California's small local government. They discuss a specific application of energy accounting.

27/3,AB/26 (Item 7 from file: 103)

DIALOG(R)File 103:Energy SciTec

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02255299 EDB-89-001028

Author(s): Cook, J.R.

Title: Performance assessments of closure cap alternatives at the Savannah River Plant

Corporate Source: Savannah River Lab., Aiken, SC (USA)

Conference Title: Annual DOE low-level waste management conference

Conference Location: Denver, CO, USA Conference Date: 30 Aug 1988

Publication Date: 1988 p 12

Report Number(s): DP-MS-88-17; CONF-880839-10

Order Number: DE89002887

Contract Number (DOE): AC09-76SR00001

Language: English

Abstract: Several large waste sites at the Savannah River Plant will be closed within the next few years, including two sets of seepage basins and a mixed waste disposal facility. Technical support for the closure caps for these facilities included water balance calculations for a series of cap designs using the Hydrologic Evaluation of Landfill Performance (HELP) code together with time dependant dose calculations using the Rogers and Associates PATHRAE code. The results of the HELP code showed that a cap constructed with clay having a hydraulic conductivity of 10^{-7} cm/sec and good drainage will be 97.6% effective in preventing infiltration through the cap. PATHRAE results show that with the reduced infiltration all exposures will be at acceptable levels after a 100-year institutional control period. 9 refs., 1 fig., 5 tabs.

27/3,AB/27 (Item 8 from file: 103)

DIALOG(R)File 103:Energy SciTec

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01826682 NOV-85-018316; EDB-86-150561

Author(s): Cook, J.E.

Title: System for combined egr and idle speed control

Patent No.: US 4601277

Patent Assignee(s): Canadien Fram, Ltd., Chatham

Patent Date Filed: Filed date 25 Jun 1984

Publication Date: 22 Jul 1986 p v

Language: English

Abstract: This patent describes a **system** including a throttle body communicating intake air to an intake manifold of an engine, the throttle body including a movable throttle plate, a first vacuum responsive valve, and a second vacuum responsive valve; means responsive to the position of the throttle plate for communicating vacuum manifold pressure to one of either of the first or second vacuum response valves and for communicating **atmospheric** pressure to the other of the first or second vacuum responsive valves; and means communicated to a vacuum input port on each of the vacuum responsive valves for varying the degree of manifold vacuum communicated thereto including: an electric vacuum regulator (EVR) including a plurality of pressure ports and a plurality of check valves, wherein one of the check valves communicates one pressure port of the EVR valve with the vacuum input port of the first vacuum responsive valve and wherein another of the check valves communicates a second pressure port of the EVR valve with the vacuum input port of the second vacuum responsive valve, first and second ports within the intake manifold and positioned relative to the throttle plate such that when the throttle plate is in a first condition the first port is communicated to manifold vacuum and the second port is communicated to **atmospheric** pressure, and when the throttle plate is moved to a second condition the communication of the first and second ports is reversed; and flow restrictors, one associated with each of the first port and the second port, for communicating the first and the second port with a particular vacuum input port associated with a corresponding one of the vacuum responsive valves.

27/3,AB/28 (Item 9 from file: 103)

DIALOG(R)File 103:Energy SciTec

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00524404 ERA-04-049628; EDB-79-103869

Title: Real solar incentives

Author(s): Cook, J. ; de Winter, F.; Cox, M. (eds

Title: Sun: mankind's future source of energy. Volume One

Conference Title: International Solar Energy Congress

Conference Location: New Delhi, India Conference Date: 16 Jan 1978
Publisher: Pergamon Press Inc., Elmsford, NY
Publication Date: 1978 p 234-238
Report Number(s): CONF-780114-P1
Language: English

Abstract: Typically solar researchers project their own ideals in performing research about solar applications. A 1977 study in Phoenix, Arizona, documents by a face-to-face interview technique those pioneers who have made solar decisions. A socio-economic profile of Solar Consumers describes them as typically middle-aged, conservative, professionals with relatively high incomes. A shortening of decision making time is one measure of a growing confidence level in solar. Although questions of economics and reliability are primary, those special qualities of personal gratification unique to solar appear among the most basic solar incentives.

27/3,AB/29 (Item 1 from file: 65)

DIALOG(R)File 65:Inside Conferences
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03563822 INSIDE CONFERENCE ITEM ID: CN037533300

EVALUATION OF CEILING AND VISIBILITY PREDICTION: PRELIMINARY RESULTS OVER CALIFORNIA USING THE NAVY'S COUPLED OCEAN/ ATMOSPHERE MESOSCALE PREDICTION SYSTEM (COAMPS)

Geiszler, D. A.; Cook, J. ; Tag, P.; Thompson, W.; Bankert, R.; Schmidt, J.

CONFERENCE: Aviation, range, and aerospace meteorology-Conference; 9th
CONFERENCE ON AVIATION RANGE AND AEROSPACE METEOROLOGY, 2000; 9TH P:
334-338

American Meteorological Society, 2000

LANGUAGE: English DOCUMENT TYPE: Conference Preprinted papers

CONFERENCE SPONSOR: American Meteorological Society

American Institute of Aeronautics and Astronautics

CONFERENCE LOCATION: Orlando, FL 2000; Sep (200009) (200009)

NOTE:

Held in conjunction with the 20th conference on severe local storms

27/3,AB/30 (Item 1 from file: 6)

DIALOG(R)File 6:NTIS
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1904894 NTIS Accession Number: AD-A247 649/7

**Virtual Sensor for Evaporation Ducts - The Impact of Data Uncertainties.
(Reannouncement with New Availability Information)**

(Final rept)

Cook, J.

Naval Oceanographic and Atmospheric Research Lab., Monterey, CA.

Corp. Source Codes: 099816000; 422570

Report No.: NOARL-PR-91-122-442

Feb 92 12p

Languages: English Document Type: Journal article

Journal Announcement: GRAI9523

Pub. in AGARD Conference Proceedings 502, p9-1 - 9-1, Feb 92. Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.

NTIS Prices: PC A03/MF A01

For this application, virtually-sensed data is defined as the output from a combination of satellite-based remote sensing instruments that have been blended with data from a numerical weather prediction model/data assimilation system and processed by an algorithm. Such a virtual sensor is described to assess evaporation ducts over marine regions. In this study, the sensitivity of four evaporation duct height algorithms to data errors are examined and the results are expressed in terms of the duct height error versus parameter error. The data set used was generated

parametrically so a large variation of environmental conditions could be considered. The errors imposed on the data represent uncorrelated random errors associated with satellite-based remote sensing inaccuracies. The study shows that although the evaporation duct height algorithms have different genealogies, they have similar sensitivities. The conclusions represent a best case scenario because of the omission of some sources of error and the assumption of horizontal homogeneity in the near-surface refractivity field over a typical satellite sensor footprint.

27/3,AB/31 (Item 2 from file: 6)

DIALOG(R)File 6:NTIS

Comp&distr 2000 NTIS, Intl Cpyrght All Right. All rts. reserv.

1889682 NTIS Accession Number: AD-A239 798/2

Sensitivity Study of Weather Data Inaccuracies on Evaporation Duct Height Algorithms. (Reannouncement with New Availability Information)

(Journal article)

Cook, J.

Naval Oceanographic and Atmospheric Research Lab., Stennis Space Center, MS.

Corp. Source Codes: 097033000; 421485

Sponsor: Shared Bibliographic Input.

Report No.: NOARL-JA-442-001-91; SBI-AD-E040 111

Jun 91 17p

Languages: English Document Type: Journal article

Journal Announcement: GRAI9519

Pub. in Radio Science v26 n3 p731-746 May-Jun 91. Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.

NTIS Prices: PC A03/MF A01

The sensitivity of five evaporation duct height algorithms to errors in shipboard meteorological data is examined, and the algorithms are intercompared. The data set used was generated parametrically so a large variation of environmental conditions could be considered. The errors in the meteorological data consisted of two types: uncorrelated random errors associated with sensor inaccuracies and both random and **systematic** errors due to the influence of ship-induced distortions. Before considering any errors, however, algorithm-to-algorithm differences of 10%-70% in the computed duct height are demonstrated and related to the assumptions and simplifications used during algorithm development. The sensitivity study shows that although the evaporation duct height algorithms have different genealogies, they have similar sensitivities. The sensitivities to errors caused by sensor inaccuracies range from 10% to 50% relative uncertainty in the calculated duct height, except for extremely low duct heights where the uncertainties are greater. During the daytime the relative uncertainties due to errors caused by ship-induced distortions are approximately 10%-20% higher than those due to the sensor errors, and they are about 50%-75% smaller at night because of a lack of solar heating of the ship. These conclusions represent a best-case scenario for Navy operational applications because of the omission of some sources of error, the optimistic ship error characteristics used, and the assumption of horizontal homogeneity in the near-surface refractivity field.

27/3,AB/32 (Item 3 from file: 6)

DIALOG(R)File 6:NTIS

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0494479 NTIS Accession Number: AD-A008 467/3/XAB

Proceedings of the International Symposium on Remote Sensing of Environment (9th), Held at Ann Arbor, Michigan on 15-19 April, 1974. Volume I

(Final rept. 15-19 Apr 74)

Cook, J. J.

Environmental Research Inst of Michigan Ann Arbor

Corp. Source Codes: 407903

Sponsor: Air Force Office of Scientific Research, Arlington Va.

Report No.: AFOSR-TR-75-0513-VOL-1

19 Apr 74 781p

Document Type: Conference proceeding

Journal Announcement: GRAI7512

See also Volume 2, AD-A008 468.

Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.

NTIS Prices: PC A99/MF A01

A partial listing of topic areas includes: Some features of the urban environment of Tokyo by remote sensing; An examination of the extent of fire in the grassland and Savanna of Africa along the southern side of the Sahara; Environmental studies of Iceland with ERTS-1 imagery; A method of specifying remotely sensed units for soil sample points; Geologic interpretation of ERTS-1 satellite images for east Aswan area, Egypt; Geologic interpretation of ERTS-1 satellite images for west Aswan area, Egypt; Classification and mapping of coal refuse, vegetative cover types, and forest types by digital processing ERTS-1 data; A remote sensing study of Pacific Hurricane AVA; Extraction of urban land cover data from multiplexed synthetic aperture radar imagery; Land-use planning aided by **computer** cellular modelling/mapping **system** to combine remote sensing, natural resources, social and economic data; Investigation of radar discrimination of sea ice; Remote measurement of **atmospheric** temperatures by Raman lidar; Design concepts for land use and natural resource inventories and information **systems**; The use of remote sensing and natural indicators to delineate floodplains; Remote detection of soil surface moisture.

27/3,AB/33 (Item 1 from file: 144)

DIALOG(R) File 144:Pascal

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12926360 PASCAL No.: 97-0195822

Using remote refractivity sensing to predict tropospheric refractivity from measurements of microwave propagation. Discussion. Author's reply

Remote sensing : a valuable source of information : Toulouse, 22-25 April 1996

La teledetection - source precieuse de renseignements

BOYER D; GENTRY G; STAPLETON J; BURK S; COOK J; ROGERS T comment

Naval Surface Warfare Center Dahlgren Division, Dahlgren, VA 22448-5100, United States; Naval Research Laboratory, Marine Meteorology Division, Monterey, CA 93943-5502, United States

Remote sensing : a valuable source of information. Symposium (Toulouse FRA) 1996-04-22

Journal: AGARD Conference Proceedings, 1996 (582) 16.1-16.13

Language: English

Direct measurements of vertical profiles of humidity and temperature at various ranges, from which range dependent refractivity structures are derived, are very difficult to obtain onboard a ship, and these profiles are needed in order to predict the performance of a radar **system** in a coastal marine environment. Recently remote sensing techniques have been proposed which attempt to deduce the refractivity structure over a path by measuring relative signal levels from known emitters. Since in a naval battle group there are known transmitters at different frequencies, whose signals can be monitored by any friendly ship, these radio propagation techniques offer high potential for implementation as part of a shipboard sensor assessment **system**. In order to derive refractivity fields in the lower **atmosphere** above the sea surface from measurements of propagation loss, the refractivity profiles must be represented in terms of a small number of parameters. This paper discusses using analytic representations of mean refractivity profiles in the constant-flux surface layer of the marine **atmospheric** boundary layer. The numerical inversion techniques used for obtaining refractivity fields from measurements of propagation loss are also included. A separate paper (2) describes some of the important effects of these profiles along with the transmitter/receiver

geometry and frequency band of the propagation measurements.

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27/3,AB/34 (Item 2 from file: 144)
DIALOG(R)File 144:Pascal
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12833484 PASCAL No.: 97-0052894

High resolution regional hydrogeochemical baseline mapping of stream water of Wales, the Welsh borders and West Midlands region

SIMPSON P R; BREWARD N; FLIGHT D M A; LISTER T R; COOK J M ; SMITH B;
HALL G E M

Geochemistry Group. British Geological Survey, Nottingham NG12 5GG, United Kingdom; Analytical Geochemistry Group, British Geological Survey, Nottingham NG12 5GG, United Kingdom; Geological Survey of Canada, 601 Booth Street, Ottawa, Ontario K1A OE8, Canada

Journal: Applied geochemistry, 1996, 11 (5) 621-632

Language: English

The stream water hydrogeochemical database, produced by the Geochemical Baseline Survey (GBASE) of the British Geological Survey, has recently been enhanced in the light of experimental pilot studies in North Wales, to meet a wider range of economic and environmental objectives which require modern, integrated and strategic geochemical surveys for their implementation. Hydrogeochemical data are therefore now collected, in conjunction with geochemical data for stream sediments, soil samples and mineral concentrates. The density of sampling, based on the collection of stream water at near-baseflow conditions during the late summer period each year, has been increased to one site per 1.75 km SUP 2 and a broader spectrum of geochemical determinants introduced. Provisional regional datasets are being prepared for an extensive region covering Wales, the Welsh Borders, and part of the West Midlands representing over 17 000 sample sites. Bedrock geology and base metal sulphide mineralisation are particularly well reflected in the stream water chemistry at the regional scale. The influence of secondary factors, such as geomorphology, **atmospheric** controls, and anthropogenic contamination due to agriculture, urban, industrial and military developments, can also be readily distinguished. The data obtained by **systematic** high resolution sampling of first and second order streams, vary in concentration over three or four orders of magnitude for many of the analytes studied here. This compares with a range of only one or two orders of magnitude for many of the analytes in stream sediment samples. The extended range in values for stream water is an important factor in the gridding, plotting and production of relatively stable maps. They are relatively unaffected either by short temporal changes in stream water flow, which are attributable either to storm events noted during the sampling campaign, or by annual differences between wet and dry summers in different years. This has enabled a series of robust surface hydrogeochemical maps to be prepared for analytical data collected during the summer sampling campaigns conducted annually from 1989 to 1994. These maps provide a unique source of synoptic baseline information for a wide range of economic and environmental applications especially, when combined with other geoscience datasets in a GIS environment.

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27/3,AB/35 (Item 3 from file: 144)
DIALOG(R)File 144:Pascal
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12213848 PASCAL No.: 95-0431675

The O IV and S IV intercombination lines in solar and stellar ultraviolet spectra

COOK J W ; KEENAN F P; DUFTON P L; KINGSTON A E; PRADHAN A K; ZHANG H L;
DOYLE J G; HAYES M A

Code 7663, E. O. Hulburt Center for Space Research, Naval Research

Laboratory, Washington, DC 20375-5352; Department of Pure and Applied Physics, The Queen's University of Belfast, Belfast BT7 1NN, Northern Ireland, United Kingdom; Department of Applied Mathematics and Theoretical Physics, The Queen's University of Belfast, Belfast BT7 1NN, Northern Ireland, United Kingdom; Department of Astronomy, Ohio State University, Columbus, Ohio 43210; Armagh Observatory, Armagh BT61 9DG, Northern Ireland, United Kingdom; Daresbury Laboratory, Warrington WA4 4AD, England, United Kingdom

Journal: Astrophysical Journal, 1995-05-10, 444 (2) 936-942

Language: English

New calculations of O IV electron density diagnostic emission-line ratios involving the 1399.8, 1401.2, 1404.8, and 1407.4 Å transitions are presented. A comparison of these calculations with observational data from a quiet solar region, a sunspot, and an active region obtained with the High Resolution Telescope and Spectrograph (HRTS), two flares observed with the SO82B spectrograph on board Skylab, and Hubble Space Telescope observations by the Goddard High Resolution Spectrograph (GHRS) of Capella, gives good results using the ratio $R_{SUB\ 1} = I(1407.4\ \text{Å})/I(1401.2\ \text{Å})$. However, the electron density obtained using the ratio $R_{SUB\ 2} = I(1407.4\ \text{Å})/I(1404.8\ \text{Å})$ is often an order of magnitude smaller. The O IV 1404.8 line is blended with the S IV 1404.8 Å line, and we investigate whether this ratio may still be used as a density diagnostic if the S IV 1406.1 Å line intensity is used to correct for the presence of S IV 1404.8 Å, using previous S IV calculations by Dufton et al. We still find **systematic** differences compared to density determinations from line ratios that do not involve the O IV 1404.8 Å line, which we suggest are due to errors in earlier theoretical calculations of the S IV atomic data, and also possibly to previously unconsidered fluorescent pumping of the upper level of the S IV 1404.8 Å transition.

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27/3,AB/36 (Item 4 from file: 144)

DIALOG(R)File 144:Pascal

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03614000 PASCAL No.: 82-0128024

QUIET SUN OBSERVATIONS OF THE AL SUB 1 AUTOIONIZATION LINES LAMBDA 1932 AND LAMBDA 1936

COOK J W ; MOE O K

E.O. HULBURT CENT. SPACE RES./WASHINGTON DC 20375, USA

Journal: SOL. PHYS., 1982, 76 (1) 109-116

Language: ENGLISH

ON PRESENTE LES OBSERVATIONS DU SOLEIL CALME, EFFECTUEES PENDANT UN VOL DE FUSEE, DE $\mu = 0,73$ AU BORD VISIBLE. LA PRECISION DES INTENSITES ABSOLUES ATTEINT $\pm 20\%$. COMPARAISON DES OBSERVATIONS AUX PROFILS DE RAIES ETL CALCULES POUR LE MODELE D **ATMOSPHERE** DU SOLEIL CALME DE VERNAZZA (1976)

27/3,AB/37 (Item 1 from file: 62)

DIALOG(R)File 62:SPIN(R)

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00657089

The OIV and SIV intercombination lines in solar and stellar ultraviolet spectra

Cook, J. W. ; Keenan, F. P.; Dufton, P. L.; Kingston, A. E.; Pradhan, A. K.; Zhang, H. L.; Doyle, J. G.; Hayes, M. A.

Code 7663, E. O. Hulburt Center for Space Research, Naval Research Laboratory, Washington, DC 20375-5352; Department of Pure and Applied Physics, The Queen's University of Belfast, Belfast BT7 1NN, Northern Ireland, United Kingdom; Department of Applied Mathematics and Theoretical Physics, The Queen's University of Belfast, Belfast BT7 1NN, Northern Ireland, United Kingdom; Department of Astronomy, Ohio State University, Columbus, Ohio 43210; Armagh Observatory, Armagh BT61 9DG, Northern Ireland, United Kingdom; Daresbury Laboratory, Warrington WA4 4AD, England, United Kingdom

New calculations of OIV electron density diagnostic emission-line ratios involving the 1399.8, 1401.2, 1404.8, and 1407.4 Å transitions are presented. A comparison of these calculations with observational data from a quiet solar region, a sunspot, and an active region obtained with the High Resolution Telescope and Spectrograph (HRTS), two flares observed with the SO82B spectrograph on board Skylab, and Hubble Space Telescope observations by the Goddard High Resolution Spectrograph (GHRS) of Capella, gives good results using the ratio $RSUB(1) = I(1407.4 \text{ Å})/I(1401.2 \text{ Å})$. However, the electron density obtained using the ratio $RSUB(2) = I(1407.4 \text{ Å})/I(1404.8 \text{ Å})$ is often an order of magnitude smaller. The OIV 1404.8 line is blended with the SIV 1404.8 Å line, and we investigate whether this ratio may still be used as a density diagnostic if the SIV 1406.1 Å line intensity is used to correct for the presence of SIV 1404.8 Å, using previous SIV calculations by Dufton et al. We still find **systematic** differences compared to density determinations from line ratios that do not involve the OIV 1404.8 Å line, which we suggest are due to errors in earlier theoretical calculations of the SIV atomic data, and also possibly to previously unconsidered fluorescent pumping of the upper level of the SIV 1404.8 Å transition.

31/3,AB/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

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5924199 INSPEC Abstract Number: B9807-0290F-007, C9807-4130-007

Title: Diameters of complete sets of conjugate algebraic integers of small degree

Author(s): **Grandcolas, M.**

Author Affiliation: Dept. de Math., Metz Univ., France

Journal: Mathematics of Computation vol.67, no.222 p.821-31

Publisher: American Math. Soc,

Publication Date: April 1998 Country of Publication: USA

CODEN: MCMPAF ISSN: 0025-5718

SICI: 0025-5718(199804)67:222L.821:DCSC;1-P

Material Identity Number: M018-98002

Language: English

Abstract: We give bounds for the coefficients of a polynomial as functions of the diameter of its roots, hence we obtain polynomials with minimal diameters and small degree.

Subfile: B C

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31/3,AB/2 (Item 1 from file: 144)

DIALOG(R)File 144:Pascal

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13769003 PASCAL No.: 98-0481714

Diameters of complete sets of conjugate algebraic integers of small degree

GRANDCOLAS M

UFR MIM, Departement de Mathematiques, URA CNRS 399, Universite de Metz, Ile du Saulcy, 57045 Metz, France

Journal: Mathematics of computation, 1998, 67 (222) 821-831

Language: English

We give bounds for the coefficients of a polynomial as functions of the diameter of its roots, hence we obtain polynomials with minimal diameters and small degree.

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31/3,AB/3 (Item 1 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

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08961863 Genuine Article#: 348ZY Number of References: 9

Title: Regular polygons and transfinite diameter (ABSTRACT AVAILABLE)

Author(s): **Grandcolas M**

Corporate Source: UNIV METZ, DEPT MATH, UFR MIM/F-57045 METZ 01//FRANCE/

Journal: BULLETIN OF THE AUSTRALIAN MATHEMATICAL SOCIETY, 2000, V62, N1 (AUG), P67-74

ISSN: 0004-9727 Publication date: 20000800

Publisher: AUSTRALIAN MATHEMATICS PUBL ASSOC INC, MATHEMATICS DEPT

AUSTRALIAN NATIONAL UNIV, CANBERRA ACT 0200, AUSTRALIA

Language: English Document Type: ARTICLE

Abstract: We study the behaviour of the transfinite diameter of regular polygons of fixed diameter, as a function of the number of their vertices.

31/3,AB/4 (Item 2 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

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06556948 Genuine Article#: ZB149 Number of References: 10

Title: Weighted diameters of complete sets of conjugate algebraic integers (ABSTRACT AVAILABLE)

Author(s): **Grandcolas M**

Corporate Source: UFR MIM DEPT MATH,CNRS, URA 399/F-57045 METZ 01//FRANCE/

Journal: BULLETIN OF THE AUSTRALIAN MATHEMATICAL SOCIETY, 1998, V57, N1 (FEB), P25-36

ISSN: 0004-9727 Publication date: 19980200

Publisher: AUSTRALIAN MATHEMATICS PUBL ASSOC INC, MATHEMATICS DEPT

AUSTRALIAN NATIONAL UNIV, CANBERRA ACT 0200, AUSTRALIA

Language: English Document Type: ARTICLE

Abstract: In this work, we generalise the study of Favard's Problems to the weighted diameters of a complete set of conjugate algebraic integers, that is, the roots of an irreducible monic polynomial with coefficients in \mathbb{Z} .

31/3,AB/5 (Item 3 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

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02750433 Genuine Article#: MB074 Number of References: 19

Title: **PHARMACOECONOMIC EVALUATION - GOOD CLINICAL PRACTICES AND METHODOLOGY**

Author(s): LANOE JL; FLAHAUT MA; LEGRAIN M; ABADIE ME; BARDELAY MG; BEGAUD MB; BLUM C; CAULIN MC; CHICOYE A; ESCHWEGE E; FAGNANI MF; FLAHAULT MA; GENESTE MB; GOLINELLI D; **GRANDCOLAS MC** ; LANOE MJL; LEBRUN T; LEGRAIN MM; LEPEN MC; LEVY MM; MANGEOT MJP; POUCHAIN MD; SAGNIER MP; SOUETRE ME ; VIDAILHET MP; WEISSELBERG MC

Corporate Source: INSERM,101 RUE TOLBIAC/F-75634 PARIS 13//FRANCE/; HOP PELLEGRIN,SERV PHARMACOL CLIN/F-33076 BORDEAUX//FRANCE/; UNIV RECH THERAPEUT,HOP LARIBOISIERE/PARIS//FRANCE/; LAB GLAXO/PARIS//FRANCE/; INSERM,U21/F-94800 VILLEJUIF//FRANCE/; CEMKA/CACHAN//FRANCE/; ROUSSEL UCLAF/PARIS//FRANCE/; RHONE POULENC RORER/ANTONY//FRANCE/; DPHM/PARIS//FRANCE/; LABS FOURNIER/DAIX//FRANCE/; INSERM/F-75005 PARIS//FRANCE/; CRESGE/LILLE//FRANCE/; UNIV DAUPHINE,MEDICONOMIE LEGOS/PARIS//FRANCE/; ICI PHARMA/CERGY//FRANCE/; LABS WELLCOME/PARIS//FRANCE/; LABS MSD CHIBRET/PARIS//FRANCE/; BENEFIT/ASNIERES//FRANCE/; HOSP CIVILS STRASBORG/STRASBOURG//FRANCE/; LABS HOECHST/PARIS//FRANCE/

Journal: THERAPIE, 1993, V48, N4 (JUL-AUG), P303-306

ISSN: 0040-5957

Language: FRENCH Document Type: ARTICLE

36/3,AB/1 (Item 1 from file: 2)

DIALOG(R) File 2:INSPEC

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5757883 INSPEC Abstract Number: A9801-6855-037, B9801-2520D-021

Title: Photoluminescence characterization of GaN thin film grown by atmospheric pressure organometallic vapor phase epitaxy

Author(s): Liao, S.M.; Wen, J.H.; Chou, W.C.; Lan, S.M.

Author Affiliation: Inst. of Electron. Eng., Chung Yuan Cristian Univ., Chungli, Taiwan

Journal: Materials Science & Engineering B (Solid-State Materials for Advanced Technology) vol.B48, no.3 p.205-10

Publisher: Elsevier,

Publication Date: 29 Aug. 1997 Country of Publication: Switzerland

CODEN: MSBTEK ISSN: 0921-5107

SICI: 0921-5107(19970829)B48:3L.205:PCTF;1-3

Material Identity Number: M712-97011

U.S. Copyright Clearance Center Code: 0921-5107/97/\$17.00

Language: English

Abstract: Thin films of gallium nitride (GaN) were successfully prepared by our **atmospheric** pressure (AP) organometallic vapor phase epitaxy (OMVPE) system using GaN buffer layer over basal plane (0001) sapphire substrates. In the present study, strong band-edge photoluminescence (PL) in GaN films is observed. The variations of the growth temperature and ammonia/trimethylgallium (NH/sub 3//TMG) mass flow ratio with the full width at half maximum (FWHM) of band-edge luminescence (I/sub BE/), respectively, indicate that we could obtain ranges of the growth temperature and the NH/sub 3//TMG ratio to have high quality GaN single crystal. The band-edge to deep-level luminescence (I/sub DL/) ratio (I/sub BE//I/sub DL/) also reveals that we could obtain optimized appropriate growth temperature and the supply of active nitrogen of excellent optical properties.

Subfile: A B

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36/3,AB/2 (Item 2 from file: 2)

DIALOG(R) File 2:INSPEC

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5486091 INSPEC Abstract Number: A9705-8115H-037, B9703-0510D-060

Title: Morphology of thin film growth of gallium nitride by atmospheric pressure organometallic vapor phase epitaxy

Author(s): Liao, S.M.; Wen, J.H.; Hung, H.F.; Lan, S.M.

Author Affiliation: Inst. of Electron. Eng., Chung Yuan Christian Univ., Chung Li, Taiwan

Journal: Proceedings of the SPIE - The International Society for Optical Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA) vol.2779 p.794-801

Publisher: SPIE-Int. Soc. Opt. Eng,

Publication Date: 1996 Country of Publication: USA

CODEN: PSISDG ISSN: 0277-786X

SICI: 0277-786X(1996)2779L.794:MTFG;1-K

Material Identity Number: C574-96120

U.S. Copyright Clearance Center Code: 0 8194 2165 0/96/\$6.00

Conference Title: Third International Conference on Intelligent Materials. Third European Conference on Smart Structures and Materials

Conference Date: 3-5 June 1996 Conference Location: Lyon, France

Language: English

Abstract: Modern approaches to the growth of high quality gallium nitride (GaN) thin films have focused on the use of organometallic vapor phase epitaxy (OMVPE). One of the keys to obtain the high quality thin film was the use of a thin buffer layer between the sapphire substrate and the growth film. Thin films of GaN were successfully prepared by our **atmospheric** pressure (AP) OMVPE system using GaN buffer layer over basal plane (0001) sapphire substrates. The present study will discuss the role of buffer and the influence of the temperature and ammonia/trimethylgallium (NH/sub 3//TMG) mass flow ratio in controlling morphology of GaN thin

films. Normarski differential interference contrast optical microscopy and scanning electron microscopy (SEM) reveal the surface and cross-section morphologies of different growth conditions. To the best of our knowledge the "volcanic cone-like" hillock structure describe here is the first reported the morphology for single crystal GaN thin films.

Subfile: A B

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36/3,AB/3 (Item 1 from file: 144)

DIALOG(R) File 144:Pascal

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12809215 PASCAL No.: 97-0022884

Field observations of the vertical distribution of tropospheric ozone at the island of Reunion (southern tropics)

Southern Tropical Atlantic Region Experiment (STARE): Transport and Atmospheric Chemistry near the Equator-Atlantic (TRACE A) and Southern African Fire- Atmosphere Research Initiative (SAFARI)

BALDY S; ANCELLET G; BESSAFI M; BADR A; LAN SUN LUK D

ANDREAE Meinrat O, introd; FISHMAN Jack, introd; LINDESAY Janette, introd
Laboratoire de Physique de l'Atmosphere, Universite de La Reunion,
Saint-Denis Messag, France; Service d'Aeronomie, Universite Paris, Paris,
France

Biogeochemistry Department, Max Planck Institute for Chemistry, Mainz,
Germany; NASA Langley Research Center, Hampton, Virginia, United States;
Climatology Research Group, University of the Witwatersrand, Johannesburg,
South Africa

Journal: Journal of geophysical research, 1996, 101 (D19) 23835-23849

Language: English

An analysis of 1 year of tropospheric vertical soundings of ozone at the island of Reunion (21 Degree S, 55 Degree E) is presented. High values of ozone concentration are observed in the troposphere above the inversion level that caps the marine boundary layer (MBL) during the September to November period, concomitant with active biomass burning in the southeastern African continent and Madagascar. Tongues (prominences of higher values) of enhanced ozone are apparent on vertical profiles obtained during this period, and backward trajectories from tongue levels are generally traced back to these zones of intense burning. Profiles of high and almost constant ozone mixing ratio in the whole troposphere above the MBL are also obtained during this season and could not be traced back to a definite origin. Conversely, during January to March, MBL compounds and humidity are convected in the whole troposphere, and tropospheric ozone is very low. The seasonal variation of integrated tropospheric ozone is large, up to 30 Dobson units (DU) and the tropospheric contribution to total columnar ozone could be high, up to 50-55 DU. This seasonal variation is well correlated with total ozone mapping spectrometer (TOMS) data, anticorrelated with integrated water content, and approximately follows, with a small time lag, the seasonal fire activity in the southeastern Africa. Data from Reunion are in accord with equivalent results from Ascension Island (8 Degree S, 15 Degree W), Brazzaville (Congo ; 4 Degree S, 15 Degree E) and Natal (Brazil ; 6 Degree S, 35 Degree W), corroborate satellite observations, and suggest that the concentration of tropospheric ozone in the tropics is governed by the coupling of photochemical and dynamical processes.

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36/3,AB/4 (Item 1 from file: 62)

DIALOG(R) File 62:SPIN(R)

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00719688

Field observations of the vertical distribution of tropospheric ozone at the island of Reunion (southern tropics)

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J. GEOPHYS. RES.; 101(D19),23835-23850 (30 Oct. 1996) CODEN: JGREA

An analysis of 1 year of tropospheric vertical soundings of ozone at the island of Reunion (21 (Degree) S, 55 (Degree) E) is presented. High values of ozone concentration are observed in the troposphere above the inversion level that caps the marine boundary layer (MBL) during the September to November period, concomitant with active biomass burning in the southeastern African continent and Madagascar. Tongues (prominences of higher values) of enhanced ozone are apparent on vertical profiles obtained during this period, and backward trajectories from tongue levels are generally traced back to these zones of intense burning. Profiles of high and almost constant ozone mixing ratio in the whole troposphere above the MBL are also obtained during this season and could not be traced back to a definite origin. Conversely, during January to March, MBL compounds and humidity are convected in the whole troposphere, and tropospheric ozone is very low. The seasonal variation of integrated tropospheric ozone is large, up to 30 Dobson units (DU) and the tropospheric contribution to total columnar ozone could be high, up to 50-55 DU. This seasonal variation is well correlated with total ozone mapping spectrometer (TOMS) data, anticorrelated with integrated water content, and approximately follows, with a small time lag, the seasonal fire activity in the southeastern Africa. Data from Reunion are in accord with equivalent results from Ascension Island (8 (Degree) S, 15 (Degree) W), Brazzaville (Congo; 4 (Degree) S, 15 (Degree) E), and Natal (Brazil; 6 (Degree) S, 35 (Degree) W), corroborate satellite observations, and suggest that the concentration of tropospheric ozone in the tropics is governed by the coupling of photochemical and dynamical processes. (Copyright) American Geophysical Union 1996

41/3,AB/1 (Item 1 from file: 103)
DIALOG(R)File 103:Energy SciTec
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03645611 EDB-94-061577

Title: The erosion/corrosion behavior and particle characteristics of several CFB materials

Author(s): **Lindsley, B.A.** ; Marder, A.R. (Lehigh Univ., Bethlehem, PA (United States). Energy Research Center); Lewnard, J.J. (Air Products and Chemicals, Inc., Allentown, PA (United States

Title: Coal -- Energy and the environment

Author(s)/Editor(s): Chiang, Shiao Hung (ed.) (Univ. of Pittsburgh, PA (United States). School of Engineering)

Conference Title: 10. annual international Pittsburgh coal conference: coal - energy and the environment

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Report Number(s): CONF-9309111--

Language: English

Abstract: The erosivity of several CFB bed materials was measured at 400 C in air and particle velocities of 75 m/s with 1,020 plain carbon steel, which is representative of boiler tube material, as the target material. Erosion was measured by sample weight change. Cambria bed material showed typical weight loss of the sample, while the Stockton and Westwood materials caused significant weight gains of the sample. These weight gains were due to a particle scale which formed on the target surface. The erodent particles were characterized by size, shape, and composition. The Cambria material was comprised of mostly large, hard, angular particles which caused the erosion of the sample. Characterization of the Stockton material revealed that a majority of the particles consisted of lime (CaO) and anhydrite (CaSO₄). These soft constituents were responsible for the scale deposition during the erosion tests. Stockton samples with the particle scale were placed in a reducing **atmosphere** to study the effects of the environment on the scale. It was found that, under certain conditions, the reducing environment caused the particle scale to flake off and/or crack and form internal voids. Corrosion of the metal under the scale was also found. Upon reintroduction into the erosion tester, the scale was easily removed and erosion of the damaged metal occurred. The cycle of erosion, corrosion, and erosion resulted in a net weight loss of the sample.

45/3,AB/1 (Item 1 from file: 6)
DIALOG(R)File 6:NTIS
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1270497 NTIS Accession Number: AD-A172 846/8

Revision of the Dollar Threshold for Procurement Items

(Master's thesis)

Markarian, G. M.

Naval Postgraduate School, Monterey, CA.

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NTIS Prices: PC A03/MF A01

This thesis will define and analyze the Department of Defense proposal to revise the method of determining whether items of equipment are financed from Procurement accounts of Operation and Maintenance accounts. Problems with the method currently in use are explained, along with Congressional objection to the Department of Defense proposal of revision. Data on the cost of items of equipment are presented and analyzed to determine the adequacy of the current dollar threshold that determines whether items are funded from Procurement accounts or Operation and Maintenance accounts. A method for determining a dollar threshold that will better meet the needs of the Department of Defense and still be acceptable to Congress is explained.

50/3,AB/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

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03052197 INSPEC Abstract Number: A88019074, B88010244

Title: Design, construction, prototype tests and performance of a vertex chamber for the MAC detector

Author(s): Ash, W.W.; Band, H.R.; Bloom, E.D.; Bosman, M.; Camporesi, T.; Chadwick, G.B.; Delfino, M.C.; De Sangro, R.; Ford, W.T.; Gettner, M.W.; Goderre, G.P.; Godfrey, G.L.; Groom, D.E.; Hurst, R.B.; Johnson, J.R.; Lau, K.H.; Lavine, T.L.; Leedy, R.E.; Lippi, I.; Maruyama, T.; Messner, R.L.; Moromisato, J.H.; **Moss, L.J.**; Muller, F.; Nelson, H.N.; Peruzzi, I.; Piccolo, M.; Prepost, R.; Pyrlik, J.; Qi, N.; Read, A.L., Jr.; Ritson, D.M.; Rosenberg, L.J.; Shambroom, W.D.; Sleeman, J.C.; Smith, J.G.; Venuti, J.P.; Verdini, P.G.; Von Goeler, E.; Wald, H.B.; Weinstein, R.; Wiser, D.E.; Zdarko, R.W.

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Journal: Nuclear Instruments & Methods in Physics Research, Section A (Accelerators, Spectrometers, Detectors and Associated Equipment)
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CODEN: NIMRD9 ISSN: 0168-9002

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Language: English

Abstract: The design considerations, construction techniques, prototype tests and performance characteristics of a pressurized drift chamber used in the MAC detector at PEP are described. The chamber consists of 324 aluminized mylar tubes of 6.9 mm diameter with wall thickness of 100 mu m. With appropriate shielding it operates successfully at 4.6 cm from the beam line. It was simple to construct and was configured to permit any malfunctioning tubes to be remotely disconnected without affecting operation. The chamber operated without problems for two years in the PEP environment with a gas mixture of 49.5% argon, 49.5% CO/sub 2/, 1% CH/sub 4/, at 4 atm absolute pressure. The mean spatial resolution averaged over all tubes was 45 mu m. The time to distance relation for this gas mixture, along with the geometric positioning of individual wires relative to the central tracking chamber, was obtained with data from Bhabha scattering events. The authors also describe resolution studies performed with a prototype chamber in a SLAC test beam. A wide range of gases, gas pressures, and electronic parameters were explored. These studies proved that resolutions in the 10-50 mu m range were possible. Experience demonstrates that chambers of this type provide high precision tracking and are particularly suited for operation in regions with difficult physical access and/or high ambient radiation levels.

Subfile: A B

50/3,AB/2 (Item 1 from file: 65)

DIALOG(R)File 65:Inside Conferences

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Banks, Credit, and the Financial System in Schumpeter: An Interpretation
Arena, R.; Festre, A.

CONFERENCE: History of Economics Society-Annual meeting; 21st

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